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<210> 1220

<211> 737

<212> DNA

<213> Homo sapiens

<400> 1220

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<210> 1221

<211> 698

<212> DNA

<213> Homo sapiens

<400> 1221

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cagtagtaga actgttgata ggatttgaat tcctatagct atctatgcct tgataaactt 180
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<210> 1222

<211> 778

<212> DNA

<213> Homo sapiens

<400> 1222

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gaacaattta ttaacaattt cttgcaacta tccagggaaa atataaatta tacaaaaaga 180
aatccaaaca aatcagaaaa aaaatgaaat gactcaatag aaaaatggac aaagccattc 240
agtcaattta aaggaaagaa gttaaacagc cacgaaatgt atccaaaaaa tgtccaaatc 300
tacctataat taaagaaact acatcagggtg cttgaaaaga tttagtatag ttaatgttag 360
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gtttatagag ggcagactga cagcatttta ggtacataca cttgaaaggt agcatgattt 480
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<210> 1223

<211> 873

<212> DNA

<213> Homo sapiens

<400> 1223

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 aacaccagtg caggtcatgt ggaagttgca agagtctttt anatcatggg cagcatnaac 780
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<210> 1224

<211> 833

<212> DNA

<213> Homo sapiens

<400> 1224

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<210> 1225

<211> 856

<212> DNA

<213> Homo sapiens

<400> 1225

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gcaaagatta catgacaagg aaaaaccaga aaagtatggc ccatacacag gtaaaaaaag 180
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 aattaggaaa gcaatgtctc atccaatata gaatatcaat aaagagattg aaattgtaga 360
 aaagaaccaa atagaaattc tggagttgaa aagtattata actaaaactg aaaattcact 420
 agaggtattc agcagcagac tggagaagtc agaagaaaga atcaacaggc ttcaagatag 480
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 ccagctttga tgaaatacat gaatctagat attcaagang ctcaaagaac cctaaatagg 720
 gtaaactcag aagacccaac cggatgcaaa gtgactgggtg tgggtggcagt gccgggggtcc 780
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<210> 1226

<211> 842

<212> DNA

<213> Homo sapiens

<400> 1226

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<210> 1227

<211> 825

<212> DNA

<213> Homo sapiens

<400> 1227

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 gcccaggacc ggatcctgga tgggtggtaan ggacaaagct ggaagggaga cttcagggaa 720
 ggagaaagga aagaagcana gccatgaccc agtcaactta canaatgctg ggagtcaaaa 780
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<210> 1228

<211> 888

<212> DNA

<213> Homo sapiens

<400> 1228

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agctacaaca ttttctcct cccctccctc cccaccagcc ccttccccac caagaactgc  180
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tgtttgcaag gcatttcacc agaatacagc tataaacggc cgctcccaac aactgggctc  300
tgactcacc acaccactt agtgtccact aagtagtcca ggggtgactca gtttaagcac  360
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atgttggtct taaganggaa aagaaagggtg ggaaccacat gatggctctt tcattctccg  780
ctaggaaatg atacccttta ctttcatgac atttcattag cccaaacaag tctgtgacag  840
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<210> 1229

<211> 810

<212> DNA

<213> Homo sapiens

<400> 1229

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 tacagcaacg gtgtccgcac ggaacaggac ctctatgtca ggctcatcga cttcggtcac 720
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<210> 1230

<211> 818

<212> DNA

<213> Homo sapiens

<400> 1230

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<210> 1231

<211> 679

<212> DNA

<213> Homo sapiens

<400> 1231

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<210> 1232

<211> 679

<212> DNA

<213> Homo sapiens

<400> 1232

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<210> 1233

<211> 781

<212> DNA

<213> Homo sapiens

<400> 1233

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<210> 1234

<211> 717

<212> DNA

<213> Homo sapiens

<400> 1234

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<210> 1235

<211> 749

<212> DNA

<213> Homo sapiens

<400> 1235

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<210> 1236

<211> 862

<212> DNA

<213> Homo sapiens

<400> 1236

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aactgtctta tcctttcaca ttcattcctgg cagtataacc tgtgatggct gtgaaccagg 480
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anttnacttc gggaacacat ca 862

<210> 1237

<211> 729

<212> DNA

<213> Homo sapiens

<400> 1237

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ctgntctgct gcgttttggt gcctgaaagg ctgggtggc atggtacctg gactactggt 660
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<210> 1238

<211> 620

<212> DNA

<213> Homo sapiens

<400> 1238

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<210> 1239

<211> 837

<212> DNA

<213> Homo sapiens

<400> 1239

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ttactgctgc ctagaaaagg gtgtatgtgg ttaggagtaa taggtgaggg tgaattcctg 180
ggggacatac tgagttagct gcgggacccg gatatttggc tgagagtcta agaaattgtt 240
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aatcaagagt aaattgggaa agttccatag gaagcctaag cactcatctt aaccttactt 360
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<210> 1240

<211> 770

<212> DNA

<213> Homo sapiens

<400> 1240

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 cctgcttcac aaatgcaaaa ccattttagt ttctgtataa tggaggcatt tttttcctct 180
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 tgagaagttg caciaaggcc tancgttttc gttggtggag agctacatgg ctgccaagt 660
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<210> 1241

<211> 763

<212> DNA

<213> Homo sapiens

<400> 1241

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taccagaat ggtcaaattc atacagacag aaactggaat agtagttacc agggactgtt    180
tggtgggtgtt cggggtggga gtgggtgtta agtttctgtt tgggaagatg aaaatgttct    240
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tacttgtaaa atggttaaaa tagtaagttt gatgctgcgt atactttacc agggtaaaaa    360
caatgcaaga gaaagattgc cagtgcattgc tgaaaattaa gattactagg aggatatttt    420
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tttgtgtgta ttaacatgaa gattttctca gttgaataaa acaagttaa gaatactttc    600
tttgttgtaa aacagcatat ttatatacat ttataaatgc nttaagtct anaaggatca    660
tgagtaaaaa tatgaattta aaaattaaag tcacagattt aggtgntgca cctacctacc    720
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<210> 1242

<211> 810

<212> DNA

<213> Homo sapiens

<400> 1242

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ggcctttttt tttttttttt tttctggaga cggactctcg ctctgttgcc aggctgaagt    60
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cctcagcctc ttgagtaact gggattacag gcgtgcgcca ccacgcccg ctaattgttt 180
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 ttgttgtgag gttacaatga aaaagcataa tgacttttta aaaaatgact caacttgata 600
 aaaatacaaa atactgcctt tattcaaaat gaggcagaga tgaataagga gggaattttg 660
 tcccagttaa atatttattc catttaaact actcaaaagt ccagttgccc caataattaa 720
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<210> 1243

<211> 711

<212> DNA

<213> Homo sapiens

<400> 1243

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 ccctaccccc tcccgccccg ccaaatgttg ttgtacactg ccttgtctgt ttcatattcca 180
 cgtgtgggtt cactgaccac attagctggg agctcctggg attgtatgct tcctatccag 240
 aatttgttcc atagaaaacc tgtgtcttca acatacttgc tttgaaatta ttttgatctg 300
 tatcagcagg aataggtttt gagatcctgg atattaactt ctgggtgcc a tctctctag 360
 aagctaattg actgatttgt ggtggaggcg agatgagagt ctatacattt gacctatttc 420
 acagagctta ccttgcaagc tattgaaatg caaatacaga ctagcttaga gattctaaga 480
 attcacacat tcagttcttt gtttttttct gaaaaataag cattcaaatt tcatgcacat 540
 tctattattc atgtgcctta tatttaggtt ccgcttgtat gtctagataa atcttatcac 600

cattatttaa aatttcatga atgaaacttt gcattcttaa tactaacact agcctagacc 660
aatcaaaata atttgaaatg cagcccttaa atgaactnct ncnngtgtct g 711

<210> 1244

<211> 628

<212> DNA

<213> Homo sapiens

<400> 1244

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taacaagcat gccagatgat tctgatgtac actcaaagtt tgggaactgc tgttaagaga 480
ggataatgaa agttangcag aggaaattag atttgatgtg ctcataagca gggatccata 540
naagattttt aatttttatt ttttaatcat ttacttattt tccatgtntc caagtcacga 600
accanccatg ggcacagacc aagaccaa 628

<210> 1245

<211> 689

<212> DNA

<213> Homo sapiens

<400> 1245

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tgagctggga gaaagatggc ggcagccgtg cgacaggatt tggcccagct catgaattcg 180
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 gtcatttcat ttgaggagca ggttgcttcc ataagacagc atcttgcac tatatatgag 480
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 ctggaggatg atgatccagt ccaggcagan gcttacataa atcgagcacc gntgcttcag 660
 aatgaatcaa ccaatgaaca attacngat 689

<210> 1246

<211> 845

<212> DNA

<213> Homo sapiens

<400> 1246

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 tccttttagat ccaaaacaca cagtatatga agatcaacta gcaaagcatt tgaaaaaatg 240
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 ttgtttcatt tgttaaaact gttttaaatg taattattaa taagatttta tttgtttac 600
 ctttgagggt accaaatatt tccatttcaa aaatatatag aaacatatac aaaaaattga 660
 gggcatggat gtgattctga gtaccgtata ttaaataattt aaaggcaaga gagaaaaatt 720

ttaagtcaaa taccaattat caatgtaagc atactggctt atgcagaaat taccctgctg 780
gtttccattt gaacccaatg ngttactcta gtttataaaa taatcntgng aagtttgcag 840
ctttt 845

<210> 1247

<211> 821

<212> DNA

<213> Homo sapiens

<400> 1247

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gctccagttt acagctccca gtgtgagtga cgcagaagac agttgatttc tgcatttcca 120
actgacgtac cagggttcac tcactggggc ttgttggaca gtgggtgcag cccatggagt 180
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<210> 1248

<211> 696

<212> DNA

<213> Homo sapiens

<400> 1248

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gnatatctgt tgnctcaaaa agtgttttac acatag 696

<210> 1249

<211> 777

<212> DNA

<213> Homo sapiens

<400> 1249

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<210> 1250

<211> 848

<212> DNA

<213> Homo sapiens

<400> 1250

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<210> 1251

<211> 749

<212> DNA

<213> Homo sapiens

<400> 1251

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<210> 1252

<211> 792

<212> DNA

<213> Homo sapiens

<400> 1252

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<210> 1253

<211> 642

<212> DNA

<213> Homo sapiens

<400> 1253

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 tttcactggc aattctcaaa tgatatacat ttaaagggca gattttttaa aaagatacta 540
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<210> 1254

<211> 685

<212> DNA

<213> Homo sapiens

<400> 1254

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tgccttttat ggatacataa tgcttcagtt gtttactgct aaatgaaatg taaaagtata 180
tattagacta aggaatagtg tacaaaatag atctaaatac aaaggaaatt gtgttctgtc 240
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cttaantgaa cttactgggg actca 685

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<210> 1255

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1255

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ccctcaggct ggccggggccg cctgtggctg gagaaagccc cattgtggcc tgagtgcgcc 180
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ctgccccgtg ctctgtccca gcctcatttg ctccccaage cccaacctgg gttcctgctc 300
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 tcaaagtttc tggtcttagc tgtcccgccg agcagaatat aaagtgctga aaccagaacc 660
 caaaactggg acgcaagggc caaaaccttg cgcaaggggc caaccgggna atcgggncac 720
 cattgcccc ttggncttg ttggggccct tg 752

<210> 1256

<211> 561

<212> DNA

<213> Homo sapiens

<400> 1256

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 ttagactctt ggtttttcat ttctccccgt ccttcccca ccttttttaa gtaagccaca 480
 gcttttctga ttgaaagagt gaaaggccag tgcatataat gacaaactga tgataacctt 540
 atattggcag tnnngggggn c 561

<210> 1257

<211> 776

<212> DNA

<213> Homo sapiens

<400> 1257

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ttactaaatt cccatttttc cactttaagt tgtgtggctg gtaatagcgt ccgccttctg 180
atataagtca tagcatgcaa catgcacttt gcaagtgcac ttgcttgaa tattttgcaa 240
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cagtgcataa tgccaaattg gtagtgatgt ctgcacgaca tgctgacttg aataagttat 540
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atttcitttt aattnttatc ttactttntt ttttttttaa gctaaaggca aaaagaatgc 660
acatacttat tttaatggga ttagaaaaat gagttgttcc ctggtagct tgacccccag 720
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<210> 1258

<211> 726

<212> DNA

<213> Homo sapiens

<400> 1258

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gactcagtag aagtgaagag aaataaagtg agataagttg ttcactggag agcaaatttt 180
gaaaatagaa caattccaag ggatgataag ttaccttgt ggccctccgc ttgaatagca 240
ggtagagaat acagatcaaa gtcttagaat gaaggtcaag agtgtgtgaa accagagagt 300

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 aatagaattt accttatttt ccaaccagat tatttaaattg ttttgcagaa gtgagtattg 480
 atttactgaa ctgttcttta ataatacacag ctggaaattg caaaagatca tcaactatga 540
 aactatataa atagaacgag ataaagaaat gggaaagtgc cttcttccct tagttctcta 600
 ttcagttggt gaagaactgt aataaatctt attgaaatct agagtittta attaagaaaa 660
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 antttg 726

<210> 1259

<211> 773

<212> DNA

<213> Homo sapiens

<400> 1259

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 agcgacagcg cagtccaaga ccttgcagga tgtctcgccg caagcaagcg aaaccgagat 180
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 gtaagaagag gccggaagac ggggaggagt tggaagacga agctgtgcac agctgtgaca 300
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 aagaagtacc actgcagtga atgtgatgct gcgttttcca gaaatgatca cttgaagatc 720
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<210> 1260

<211> 800

<212> DNA

<213> Homo sapiens

<400> 1260

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tgttcacact aagatcttta aacttttaca tggtgaaaag gcaatatgca ttccatagaa 180
ctcatacaac cattttgttc ttaactttca gtaaaatatt caataaatat tcaataaact 240
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aagctaattg aagtgttctg agcacattca aggtaggcta ggctgagctg tgatgttcag 360
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atggtgggta gaaattttat tttagcttaa aaaattaatc ttataaaatg cctgctgaca 720
tttcatgtaa gaattcttta ctcaattcat gnttttctct tcttncctgt ggagtatatt 780
tattgactgc anatggaagc 800

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<210> 1261

<211> 768

<212> DNA

<213> Homo sapiens

<400> 1261

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agagttcaag gctgcagtga gtggtgatgg agccatgcac tcagcctggg cgacagggta 180
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 tctcagacaa cgaccagatt ttttaccata ccaagtnaaa tagtaaggag aagggaaact 720
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<210> 1262

<211> 853

<212> DNA

<213> Homo sapiens

<400> 1262

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 ctggggagaa agcgctctgg aggccgctgt gcaccccttc ctgcagggct cagactggcg 180
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 gaaatcgctc atttgcatag tcagtaccct cagcctcct aagtgtagcc tcattatcga 540
 cacagacgcc tgcagagtcg nttctctata atgcaaattt tgcacgatat ttttgaacaa 600
 cgtttttgag ttatcatagt aaatgaaaag gcaattacta gttatttang aagaaggaaa 660

tggtttgaag tagagataac ttttttacct ctggggggaa aaaaaggcna atgacttcag 720
attccatggg cagggtcaaaa tcagaactgg taagatttct gcataatctgg ggagtatcnc 780
attaataate attttcctga aaattacnct cttcttaatt aaactggant ttgcatata 840
aaatgtgaag ata 853

<210> 1263

<211> 697

<212> DNA

<213> Homo sapiens

<400> 1263

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tatgcccact ggggcttcag ctgtaaacad ttaccctag acacttgccg tggggtcggc 660
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<210> 1264

<211> 844

<212> DNA

<213> Homo sapiens

<400> 1264

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agtgtaacaa taatagttaa gcatatggaa taaaactaaa gatcagtgtg acaataatag	180
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gactcttaga gaacttggtg caaatgcata ttccttagcc acccccttct gaattcccgg	780
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<210> 1265

<211> 834

<212> DNA

<213> Homo sapiens

<400> 1265

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<210> 1266

<211> 861

<212> DNA

<213> Homo sapiens

<400> 1266

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861

<210> 1267

<211> 800

<212> DNA

<213> Homo sapiens

<400> 1267

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 aaaaaaagaa aaaaaaaaaa actctggaga gataaacagg cagatacaa gaatcacaac 720
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<210> 1268

<211> 741

<212> DNA

<213> Homo sapiens

<400> 1268

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 ccgagattgc tctgctgntg aaaatggtac acagcccgtt naagatgtct gcaaggaact 720
 gaacaaccaa gancagaatg g 741

<210> 1269

<211> 811

<212> DNA

<213> Homo sapiens

<400> 1269

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 tatcaggtta aaataatggg ttataagata gtattcgcaa gcctcatggt aacctcaagc 180
 caaaaacaaa caaacaaaca acaacaaaaa aacacatagt ggatacacia aaaataaaaa 240
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gaatattatt agacctaaag agagangcct tgatacaata atggctggag aactttaaac 780
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<210> 1270

<211> 837

<212> DNA

<213> Homo sapiens

<400> 1270

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tgaactgtta gtgggctatg ttgaatctca aaattatctt tctccttttt tttttaagag 780
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<210> 1271

<211> 819

<212> DNA

<213> Homo sapiens

<400> 1271

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<210> 1272

<211> 745

<212> DNA

<213> Homo sapiens

<400> 1272

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accttctgag ggacaaaaat tgaggcctat ttatctttgt atcccaaatg cctgggtgtac 180
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 ttcatatgtc aagcaaagtg acctagactt cagatttaca ctggaggctt cacggtacca 660
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<210> 1273

<211> 787

<212> DNA

<213> Homo sapiens

<400> 1273

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 atacatctat atatgtctac acatatctct atacacatat atatatttat atctacatct 180
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ncagggc

787

<210> 1274

<211> 786

<212> DNA

<213> Homo sapiens

<400> 1274

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catgggaatag ccaaactgga ctttctttgt ttcctcttta aaagtttaca atgcagacca 180
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agatttctat gacagnttaa cagttgggtt aaatcctaaa ccattggtaa tttccactgn 720
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<210> 1275

<211> 831

<212> DNA

<213> Homo sapiens

<400> 1275

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 gataatggtt atgtaacata ttgaaatttg tggaatacag acagctaagg cagtgttttag 420
 agataaactt acagctttta aatttttact agaaaggaaa gtctaaaatt attgacctaa 480
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 atttacgaat aaatttaaca aaagaaattc aaggctatac ctgaaagaca taaacattgt 720
 ggaaaagttg cagagactaa ttaaagagag atctgnnact caatggagac atatggtaag 780
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<210> 1276

<211> 705

<212> DNA

<213> Homo sapiens

<400> 1276

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 ctttttgctg tgcacctca ggcgggtcag caacctctct gaacacacac ccagtctaca 360
 aaatagaaga aaaaccctat aagggtggtt ttggcagggg agaggacatg ggaagagatt 420
 gaataaatta gttgtccatc ctagcataga gcccagaaca aggcactgaa aagacttctt 480

aaattttttt gtccaacaac atcttggaca gttctcattt atgtcaacat gcctggtcct 540
gattttgttg gtcataattg catgtcatat tttaaaccat gaagcataat aaccaactaa 600
gtaagaaagc cctggcaaaa aagctgagag gtctgggtgca atggatcacg cctgtgatcc 660
cagcacgttt ggaagccgan gtgggncaga ttgctttgnc ccaga 705

<210> 1277

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1277

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acacataata agtgccctta agtggttaaat gagaatgatg ttattgtttt gtgttacaga 180
attagtgtat ctgtggaaaa ttggccaaaa caaattctga tggatcttct ttattgctgt 240
ttaaatattt cagacaaaat gaaatataac ctagaatatg aacagtgcga gatatgcata 300
cttgaaacaa aaatcatcat ggatcatttat atatttctat ttactaaga ttttttctc 360
ttataaaaat aaattatacc ttctaatagt aaggaaattg cctctgccag tttttgntgn 420
ttaatttggg ttaatttcaa acattaaaaat agcacattaa ttgatcaagg aatctcaatt 480
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gacaggagac aaccatcttc tagaggaaga acttttaaaa caattatatt aattccattt 600
ataggaaaaa gaataattca tagaaaaatt aatgggtgcag tcctaaaagc atgttccagn 660
tactattccc aaaacaatgg gtcagattct attggattca ttggctatta atcattttgg 720
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<210> 1278

<211> 810

<212> DNA

<213> Homo sapiens

<400> 1278

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 catcaatagg acatggntct tatacttcat aaagcataga aagcaaaaag aactgcagtt 720
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<210> 1279

<211> 764

<212> DNA

<213> Homo sapiens

<400> 1279

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 ctcttggctc ccttttgggt ctggtataaa tctttgacct ataagacaag aataatgagt 660
 tcacacctaa caatccatgg tgagtctttc tggngggctc tgcttatgga cagagcaggc 720
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<210> 1280

<211> 758

<212> DNA

<213> Homo sapiens

<400> 1280

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 tgtgcctatt ttatctagtt ttagttaatt ccattgcttc ggaagataag tggacgtcat 180
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<210> 1281

<211> 705

<212> DNA

<213> Homo sapiens

<400> 1281

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<210> 1282

<211> 639

<212> DNA

<213> Homo sapiens

<400> 1282

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cgctcctgga gcgcgcggtg actcccccg gtcggccgct ccatgcagct ccgttgcgga  180
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<210> 1283

<211> 790

<212> DNA

<213> Homo sapiens

<400> 1283

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<210> 1284

<211> 806

<212> DNA

<213> Homo sapiens

<400> 1284

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acaggggaaa ggtgaagtgg ccagtacacc ctntgacaa tttggatcct aagttgactg  720
cccttgagcc aagtaagacc acaggggctt ccatttacc ctggctttcc ccaaagtcnc  780
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<210> 1285

<211> 883

<212> DNA

<213> Homo sapiens

<400> 1285

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caggaacact ccatcagtgt ggatctggat agctccctgt ctagtacatt aagtaacacc  180
    
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<210> 1286

<211> 764

<212> DNA

<213> Homo sapiens

<400> 1286

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 atacatattt tgggggagga aggaggaggg tatagatctg tattttgaaa agtccccag 180
 gtctccttgg gaaattatat gaacaatcat gtttggaac aaatgaatca tgttaccact 240
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 cttttgtctg tcttgggagt agaataaaag cagattctga gcatggaccc tgactttcag 720
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<210> 1287

<211> 763

<212> DNA

<213> Homo sapiens

<400> 1287

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 gtccttcacg gactggatcc catcaaagaa ccttgaagaa gtggcttgcc cttgctggac 720
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<210> 1288

<211> 733

<212> DNA

<213> Homo sapiens

<400> 1288

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aacgtggaag ttgggtccgta cttctacaat cctactggcc cagcctgacc cccatgtgac	180
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agaccagctt ggccaacatg gtaaaactcc atcttacta aacatacaaa aattagctgg	660
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tgaacctaaa ang	733

<210> 1289

<211> 825

<212> DNA

<213> Homo sapiens

<400> 1289

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tccttcctgt ggtgcctctt tatagcctca ccaccatgct aacactgagc atggtgagga	180
ggaggaagct ttggctagct aaacatgttt aataaggcca taaaaactga gaaagaaaaa	240
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 aacattcttg ccagagtctt tgggaaacct ggttttttct ctactctnca tctctgctgc 720
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<210> 1290

<211> 799

<212> DNA

<213> Homo sapiens

<400> 1290

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 aaccgtacag ctacagcaca gcgttatacg gtccttgga gacaaccagt cctgctgcag 180
 cgagggtggg acaaggccgg gagcagctca ctcccgagta gaggccatcc gatggcgcca 240
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 aagcccagga aagggagcag cccccgtca ggaccaact gaggacaccc catcctcatg 720
 gaccttggtt ccgnttttcg nccccacaa atgggcttcc aacataactt tccccgangg 780
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<210> 1291

<211> 781

<212> DNA

<213> Homo sapiens

<400> 1291

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aatgtagaag aggtactaat gtgtgtcatg aaaatctatt ctagattcgc agataactct 180
agttcccccg tgcccccttt atgatttaaa atcctacctt aatagaggat ttttgtccta 240
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tcagttataa aaggctataa ttatattatt ggtcacaaat ttttgnctgc atttttgatg 720
actatcttaa gaatagattc cagcagtaga ctatttttta aggatcctta aaaaggngta 780
n 781

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<210> 1292

<211> 846

<212> DNA

<213> Homo sapiens

<400> 1292

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ggaggcagcc ggacattttt aaatttcaag ggaaacacag tgacatttgc cagctaccat 180

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gcaaactgcc gttattaaat tgtttagacc cattaggcac ttgctttggc ctaggtccag 240
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cagacagagt gcctcagaga aactgactgg ccttgaaaac ctaaactatt cattgataaa 780
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<210> 1293

<211> 851

<212> DNA

<213> Homo sapiens

<400> 1293

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atcacctgga cccaaccat acaagggtggc tgtctatgtt ccaggaagta aagggtgcacc 600

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 gttggttaata gctagcacag atgttgacaa gacaggactt tctactatgg agaacaact 780
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<210> 1294

<211> 850

<212> DNA

<213> Homo sapiens

<400> 1294

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 taaatgtttg catgaagcca tctttagaac gtcagatggt ctctcttcaa ctggaatgac 780
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<210> 1295

<211> 800

<212> DNA

<213> Homo sapiens

<400> 1295

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<210> 1296

<211> 634

<212> DNA

<213> Homo sapiens

<400> 1296

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ctccggggtc ctctttggtg ttgaagagaa gcactcatcc cttcgtcaga agacacacac 180

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<210> 1297

<211> 781

<212> DNA

<213> Homo sapiens

<400> 1297

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<210> 1298

<211> 786

<212> DNA

<213> Homo sapiens

<400> 1298

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<210> 1299

<211> 836

<212> DNA

<213> Homo sapiens

<400> 1299

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<210> 1300

<211> 782

<212> DNA

<213> Homo sapiens

<400> 1300

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<210> 1301

<211> 823

<212> DNA

<213> Homo sapiens

<400> 1301

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<210> 1302

<211> 794

<212> DNA

<213> Homo sapiens

<400> 1302

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<210> 1303

<211> 769

<212> DNA

<213> Homo sapiens

<400> 1303

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 tttgggtttt ggaataattt taggtttaca gaaaagtga aggcgaagta cagtgggctt 660
 acgctgtaat cccaacactt tgggaggcca atgcgggagg attgcttggg ccangaatt 720
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<210> 1304

<211> 770

<212> DNA

<213> Homo sapiens

<400> 1304

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 aataaagagt acaaagagag aaattttaca gcttggccac caggggtgac atcacgtatc 600
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 aaggggaagg cctgtatgaa cagggagtag gtacaaagat cacatgcttc aaanggcaaa 720
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<210> 1305

<211> 825

<212> DNA

<213> Homo sapiens

<400> 1305

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<210> 1306

<211> 786

<212> DNA

<213> Homo sapiens

<400> 1306

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cacctgcaac gggattttga gtttgatgct cggggtggag gaagcactgg tggggggcct 720
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ctgaca 786

<210> 1307

<211> 685

<212> DNA

<213> Homo sapiens

<400> 1307

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 ttttttagtac agatgggggtt tcactgngtt agccaggatg gctcnactcc tgacctcatg 660
 atccgcccgc ttggccttcc aagta 685

<210> 1308

<211> 733

<212> DNA

<213> Homo sapiens

<400> 1308

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 agcttctcag cccaggacac ctggtggcca tgggcaangt gagcaggacc cctgtggaag 660
 ctggtgtgag ccantcagat canagaacgc agcccccttc ccgcccggat gaacatgaca 720
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<210> 1309

<211> 824

<212> DNA

<213> Homo sapiens

<400> 1309

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gtgtaaaaat	tattattaat	ggatggcagc	ccaaattact	attcttcitt	taaaatttgt	360
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gaaataatag	gtgctcattg	ctttttcatt	tgatccttaa	aaacaatttt	attctgtcta	480
aaaaaaattc	tcctgctaaa	atccaaatga	ttacctggct	ataggaggag	tcccatttta	540
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ataccagtag	agaagatgga	aagagacaca	aaaatcagac	tttgcttaca	tcaaaattag	660
gtctgntgtc	taatcctggg	aacctagagg	caagctgaaa	atagatggta	aggataaata	720
gattttttaa	cacagtattt	atatttaaca	gaatgtcata	aaaatgacag	aatgccatga	780
aantcacatg	tcaaaacttt	gattaaacca	accaggaaat	ttaa		824

<210> 1310

<211> 746

<212> DNA

<213> Homo sapiens

<400> 1310

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ctgtaactgc	taaactttcg	cagcatatat	aacaggctca	gcaaattgtg	tccttgggtt	180
caaatttctg	tacttcataa	ctttttcttc	cagcccctag	cccagttgtt	ttatactgtg	240
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 tcaaagcact tgtattgggt atcttttttc agtattgggt ttgcttgag agtacattgc 660
 ttcagagctc ttacaaatt actgntctaa tccacatgac taggcaataa ngggctccac 720
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<210> 1311

<211> 756

<212> DNA

<213> Homo sapiens

<400> 1311

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 ggtcatagcc tgctctcttc cttatttcaa ggtgttttta cttttctnca gattccaaaa 720
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<210> 1312

<211> 650

<212> DNA

<213> Homo sapiens

<400> 1312

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<210> 1313

<211> 685

<212> DNA

<213> Homo sapiens

<400> 1313

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tgagtatttt tcttcgggt tttttttt tttttttt gctagttgca aatgaacat 180
atttattata aaaaagttga aacatatttg tttttgagg caggctctcg ctctgtcacc 240
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<210> 1314

<211> 866

<212> DNA

<213> Homo sapiens

<400> 1314

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<210> 1315

<211> 830

<212> DNA

<213> Homo sapiens

<400> 1315

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<210> 1316

<211> 849

<212> DNA

<213> Homo sapiens

<400> 1316

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<210> 1317

<211> 854

<212> DNA

<213> Homo sapiens

<400> 1317

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<210> 1318

<211> 823

<212> DNA

<213> Homo sapiens

<400> 1318

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<210> 1319

<211> 819

<212> DNA

<213> Homo sapiens

<400> 1319

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<210> 1320

<211> 788

<212> DNA

<213> Homo sapiens

<400> 1320

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ataaagcatt tttatcaggt acctctgttc caagggattt atgtcttaga ccatagctga 180
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<210> 1321

<211> 844

<212> DNA

<213> Homo sapiens

<400> 1321

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<210> 1322

<211> 823

<212> DNA

<213> Homo sapiens

<400> 1322

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gccacagtta tttctctagg cctgcatagc gacattttca tactacttta aaactaagt 720
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<210> 1323

<211> 825

<212> DNA

<213> Homo sapiens

<400> 1323

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<210> 1324

<211> 848

<212> DNA

<213> Homo sapiens

<400> 1324

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<210> 1325

<211> 853

<212> DNA

<213> Homo sapiens

<400> 1325

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 attcacagaa agtactcaac agattaaaaa tctaaaaatg aagagtagaa cttcaaaaga 180
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gcittacaaa attagaaatt tgnccaggat ngnggggtgca cctgggctag tactcggggc 840
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<210> 1326

<211> 842

<212> DNA

<213> Homo sapiens

<400> 1326

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<210> 1327

<211> 862

<212> DNA

<213> Homo sapiens

<400> 1327

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catccttcca aagagtacag tatagaaagg gggaaaaaga ggaactttac agtggaaaaa	180
cttgacaaac actactttag ctaggtcaag gttaatatca acagtgataa atcatgttga	240
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<210> 1328

<211> 744

<212> DNA

<213> Homo sapiens

<400> 1328

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gttgacact aatgaagatg gacatgaaat ggacgtgaaa cattaggcaa ggcaaggcct	300

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<210> 1329

<211> 865

<212> DNA

<213> Homo sapiens

<400> 1329

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865

<210> 1330

<211> 855

<212> DNA

<213> Homo sapiens

<400> 1330

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<210> 1331

<211> 826

<212> DNA

<213> Homo sapiens

<400> 1331

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<210> 1332

<211> 807

<212> DNA

<213> Homo sapiens

<400> 1332

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<210> 1333

<211> 814

<212> DNA

<213> Homo sapiens

<400> 1333

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<210> 1334

<211> 747

<212> DNA

<213> Homo sapiens

<400> 1334

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<210> 1335

<211> 705

<212> DNA

<213> Homo sapiens

<400> 1335

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<210> 1336

<211> 726

<212> DNA

<213> Homo sapiens

<400> 1336

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<210> 1337

<211> 654

<212> DNA

<213> Homo sapiens

<400> 1337

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<210> 1338

<211> 672

<212> DNA

<213> Homo sapiens

<400> 1338

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attcctttga aattagttag gcccatggtt tattaatttc acgaaaaatt ttcttcccca 180
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<210> 1339

<211> 706

<212> DNA

<213> Homo sapiens

<400> 1339

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<210> 1340

<211> 819

<212> DNA

<213> Homo sapiens

<400> 1340

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<210> 1341

<211> 818

<212> DNA

<213> Homo sapiens

<400> 1341

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 caactctaaa agtcaattaa cacacttact aaggtgtttt aagtgaccag gaaggaaatc 420
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<210> 1342

<211> 761

<212> DNA

<213> Homo sapiens

<400> 1342

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<210> 1343

<211> 614

<212> DNA

<213> Homo sapiens

<400> 1343

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<210> 1344

<211> 831

<212> DNA

<213> Homo sapiens

<400> 1344

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 ccaattggct tgaattcctg gggaaatttt tgggccaat attggaccag ctggaaatat 780
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<210> 1345

<211> 456

<212> DNA

<213> Homo sapiens

<400> 1345

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<210> 1346

<211> 819

<212> DNA

<213> Homo sapiens

<400> 1346

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<210> 1347

<211> 839

<212> DNA

<213> Homo sapiens

<400> 1347

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accatgcatg gtaggtactg cttagattaa gttgtatgtg tttcttttcg gtgctgtaat 240
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<210> 1348

<211> 849

<212> DNA

<213> Homo sapiens

<400> 1348

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<210> 1349

<211> 820

<212> DNA

<213> Homo sapiens

<400> 1349

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<210> 1350

<211> 809

<212> DNA

<213> Homo sapiens

<400> 1350

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<210> 1351

<211> 745

<212> DNA

<213> Homo sapiens

<400> 1351

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<210> 1352

<211> 876

<212> DNA

<213> Homo sapiens

<400> 1352

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 gatcaagggtg cccacttgta aaactgggac attcacagna tctacctttg aggctgtaat 840

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876

<210> 1353

<211> 755

<212> DNA

<213> Homo sapiens

<400> 1353

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<210> 1354

<211> 740

<212> DNA

<213> Homo sapiens

<400> 1354

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 cacttcggcg gtgccaacca tgccataacc ctggggggag ctggaggcct gcattgccat 660
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<210> 1355

<211> 726

<212> DNA

<213> Homo sapiens

<400> 1355

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<210> 1356

<211> 870

<212> DNA

<213> Homo sapiens

<400> 1356

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<210> 1357

<211> 810

<212> DNA

<213> Homo sapiens

<400> 1357

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<210> 1358

<211> 783

<212> DNA

<213> Homo sapiens

<400> 1358

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<210> 1359

<211> 771

<212> DNA

<213> Homo sapiens

<400> 1359

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<210> 1360

<211> 751

<212> DNA

<213> Homo sapiens

<400> 1360

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<210> 1361

<211> 784

<212> DNA

<213> Homo sapiens

<400> 1361

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<210> 1362

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1362

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<210> 1363

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1363

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<210> 1364

<211> 840

<212> DNA

<213> Homo sapiens

<400> 1364

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<210> 1365

<211> 689

<212> DNA

<213> Homo sapiens

<400> 1365

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<210> 1366

<211> 693

<212> DNA

<213> Homo sapiens

<400> 1366

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<210> 1367

<211> 718

<212> DNA

<213> Homo sapiens

<400> 1367

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<210> 1368

<211> 809

<212> DNA

<213> Homo sapiens

<400> 1368

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<210> 1369

<211> 834

<212> DNA

<213> Homo sapiens

<400> 1369

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 gaggaccctt gttcctttat gtgagcccct gcactctggcc cactgctggg tttcaaacat 360
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 aaaattaagg cctacagaca tcaacaaaac gagcgacaga agaaaggcat ttccaagtga 480
 tgtaactggg tgactcatct cacgaaaggg cactcggagg cctaccagta gaccaccttt 540
 ctggcctttg gcctgccttg acatcagcct tgctccctcc attaatcata ctacgctcac 600
 atagaagcca aaacatgtca cgcttctgtt tgaaagctgn ctttttgntc ttagcaacat 660
 gtcattgttg ggggaaagtt ataataact ggccagtggg gtcagtaagt cggaaggct 720
 aaggagcttt gatgtcangg ctttaccatt taatggtttt caaagtattg ggaattctga 780
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<210> 1370

<211> 744

<212> DNA

<213> Homo sapiens

<400> 1370

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tcctgtctct attgaaaata caaaaattag ccaagcgtgg tggcacacgc ctgtaatcct  180
aactatttgg gtggctgagg cttgagaatt gcttgaaccc aggaggcgga ggttgcagtg  240
ggccaagatt gtgccactgc actccagcct gggtgacaga gcaagaccta gtctcaaaaa  300
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ggatattggc tctaaagtgt ttatttaaataaatcagatt tagaattact gatggaaatt  420
ggccatttct ctatgccatg actctaggat gagtgtcgaa gaaatagcag tcaactttaa  480
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aatatttgag tgcctactct ttaacacact ttctaaaccc tggtttcaat agtaacaaaa  660
acaatagctt tctgncttt ctagaactta cattctagta ngggaaacag caataaagaa  720
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<210> 1371

<211> 587

<212> DNA

<213> Homo sapiens

<400> 1371

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tgtaagttta tagaaataaa ctgattgttc tctcaaaaac tggttttgac acaggtttgt   60
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acagcaaaat accatagagt aggtagctta taaagaacag atgtttattt ctttcttttt  180
tttttttttt ttttgagaca aagtctcact ctgttgacaa ggctggagtg caatgggtgtg  240

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atcttggctc actgtaaccc ctgcctccca ggttcaagtg attcttctgc ctcagcctcc 300
 tgagtagctt ggattacaag tactcaccac cacaccggc taatttttgt atttatagta 360
 gagttcgggt ttctccatct tggccaggct ggttttgaac tcctgacctc aagtgatcca 420
 ccttctcgg cctcccaaag tgctaggatt ataggcatga gccaccgtac cggccagat 480
 gtttatttct aacagttctg gtggctggaa agtttaagat caagatgctg gcagattcat 540
 atctgngag gatctgttct atggnctata natgggcctt ttcattg 587

<210> 1372

<211> 881

<212> DNA

<213> Homo sapiens

<400> 1372

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 aaaaattgcc atagtgaatt cacttccaac tcagagtgtg atcttaaact cacggggatt 180
 ctcacttctt tatgaaagtt tggggttgga tgaccctaa ggctccttct tagcactttt 240
 attctttgct tccaaagtag aatcttcaac tcagagagtg ctgctgatga gtcgatagta 300
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 agccaggaag agagcctcct gctgtattca gcattaacta catactacgt gaaaaatcta 420
 atacggtttt ggtcccccta attttaaaaa agaatgtgaa aaaatcagta actgctacct 480
 ggagtgtgaa gggaagtctg gtggacaggg tgagggaatt atttatcatc ctgctctttg 540
 aagtaagcac catattaatg tcatgtatta cctattaaaa atatataaaa tgagaaatac 600
 atgaagatat tagtgaagaa agaggggaaa aagaagatag cctaaaataa aaagcaaaat 660
 gattcagcct ggaataataa tgctaaataa ggggtgatct gataatttag aaccgtatta 720
 gagtttatta ataggaaaca cagtatcatg agttccttaa tctctggcct tttggaanga 780
 aaagaaaatt ggccaaaaat aatctgggtt aagggcattg ngatgatgaa acttcaggac 840
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<210> 1373

<211> 799

<212> DNA

<213> Homo sapiens

<400> 1373

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gatcatttgt atcattcttt aagggaagaa aaaaatgttc tgaaaaatct cggaataatg  120
aagaattagg agatgaaaaa agacttgaga aagaacagtt actggcagag gaagaggatg  180
atgatttgaa ggaagtaact gatttgagga aaatagctgc tcagttattg cagcaagaac  240
agaagaacag gattcttaat cattcaactt ctgtgatgag aaacaagcca aaacaaactg  300
tggaatgtga aaagagtgtc tcagcagatg aagttaattc accattatca cccctcacct  360
ggcagccctt agaaaatcag aaggatcaaa tagatgaaca accgtggcca gaatctcacc  420
ctataatctg gcagagtga gaaaggaggc ggagcaaaca gattagaaaa gaatatttca  480
agtataaatc aatgaggaag agttcaagt gcaatgaaaa tgatgagcaa gacagtata  540
atgctaatat gtcaacacaa tctccagtat catctgagga atatgacaga actgatgggt  600
tttcacacag tccctttggc ttgaagccta gatcagcttt tagcccgtc atctcgccaa  660
gaatatgggg cagcagatcc aggatttcca tgagaagaaa gatggacatt tacggaagag  720
cgagagcnaa tccacacttc gcaacatctt gaatcnaggt aaaagtattt tgnctgatgc  780
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```

<210> 1374

<211> 558

<212> DNA

<213> Homo sapiens

<400> 1374

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tgattgtgtg ggttgtcttt ttactttttt aatagcgacc tttgcagcac aaattctcat  120

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tttgatgaag tcaaatgtat ctaactttca ttggctgct taigctttca gtgtcatcta 180
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 tataacattg gctcttattt aggtctctga tacatctgct gtgaattttt atgtatggta 300
 cgaagtggga cgggggaggg gtgtccact ttaatctttt gcacatggat gtccagtgt 360
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 gttgaaaatc agttgactgt aaatgtatgg atttacttca gaactgttaa ttntattcca 480
 ttgagctata tctattatgc tagtaccata cagtcttgat gactgcatct ttgtaatatg 540
 ttntgagatt ggaaagng 558

<210> 1375

<211> 831

<212> DNA

<213> Homo sapiens

<400> 1375

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 gccatttaag tggcacttcc aggacacca tctgagctc ccacaaagg cgccaccttc 180
 ccaagaacgt ctaattgtca ttggaacagc cagtgtcagg cagcttctgc tcaggctgat 240
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 ggcaactgga atggtatgga gccccactt ctacctgag ccttgggtgt ctgctgcttc 360
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 atagtctcca gggatgtgta gaacggcaat ggcaggacag caaacaactg gcgatttccc 480
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 ttaccaggt gcacagagta ccctggggcc agcacagggc ttgtccagtg atgctcctgg 600
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 tagggcanga cccggatttc ttggcaaat ctgaaggatga aaagggccac ttgcctgctg 720
 agtaaaaact gcctttacct ggccagtgtg tgcaacttga gagaaaatga canctgcatg 780
 gggcgctctg gtgggactgg gaaatctgat cnttccggga gctgganata g 831

<210> 1376

<211> 743

<212> DNA

<213> Homo sapiens

<400> 1376

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gactccatct caaaaaaaaaa aaaaaaaaaa ataccaagac tgtaataaag tgggtggtct 120
ctagaacca gaccttact tgggtgaatt ttcaaggga ttttcatcag gataacttat 180
gatagcttca tttttacca agataatcgt cttgaagtat ggaaattccc agctttcctc 240
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tgagcaatag tattgaaatt ttccattgta tgtaataata atactatgtt ttatgtttgg 360
aataaaataa cactttggga tatcaattta gtttcttcat tatttgacct tttatctctt 420
gaaagtgaac tgtacctcaa agaaaaaaga gtatatataa ttctgggtgct tttactggg 480
atgaaaaaat agagggtgtc ttgagggtct gccctttatc catagcgagt gattgaggct 540
tctcgactga tcaaggcaac tccagtccta agttctaact ccagaatatg taggattcct 600
caggactaga ctgagcagac tgctataaac gtgactccag aaggttctcc taagaattta 660
gataatgatt taccactatt catacactcg agttgaagac cttangctac tagaaatccc 720
caatctgtga gctgganaan.cta 743
    
```

<210> 1377

<211> 782

<212> DNA

<213> Homo sapiens

<400> 1377

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caaacatggc aaaaactatc tgataacagc caggcatata gaaagcacia tctaatatat 60
gagtctgaat ttactgtgt cccttgctga aaaaaattca gccattaaaa taaccaaaaa 120
    
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attcataatc aagaaatatg tttctgtcat gaatagttgt tttttacttt agagtgtaaa 180
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 gccaaaggcag gtggatcacg aggtaaggag atcgacacca tcctggctaa cacgngaaa 720
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<210> 1378

<211> 781

<212> DNA

<213> Homo sapiens

<400> 1378

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 aaaagggaaa gaaggaggtg atggcggagt tttcggacgc tgttacggaa gaaaccttga 180
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 aatcaaccat tgacatgtcc tgtgtctaaat atgaattcac tgatgccctg ctgtgccatg 540
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ggagcatggg tggtagcctg gacctgtaca gcattgatga acactttcag ccgaagcaga 660
 ttgtcaagtc tcttatccct tcgtggaaca aactggnntt ctttgaagta tctcctgngt 720
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 a 781

<210> 1379

<211> 711

<212> DNA

<213> Homo sapiens

<400> 1379

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 gacatcttag cactgacaca tggccctctt ctgcagaaat actgggcaaa gatttgtgag 420
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 aggtatttga tgaatactcg tattcttggg gtgactttcc aacatttaac taagaccatt 600
 cagccttcac aaccatttg acttaaaggc caaaagtgcc tatctgcaat tttgatgatc 660
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<210> 1380

<211> 740

<212> DNA

<213> Homo sapiens

<400> 1380

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attccagttg	gcctacctat	cctcagctct	atgtttctgg	agagctcata	ggaggacttg	660
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<210> 1381

<211> 708

<212> DNA

<213> Homo sapiens

<400> 1381

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aggaacagga	ccaggtcggg	tttggaagg	cccacgtctg	gctgtttaca	ccaatctagg	180
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tcacctttgt	ttttcctttg	taaacagaca	agtggacaga	aaagtaggta	gatagaacgg	420
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gcctgctggc caggagcaaa cagtctatgt acagaacccc tgnagacccc cggcctagaa 540
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<210> 1382

<211> 670

<212> DNA

<213> Homo sapiens

<400> 1382

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 gtaaagatat ttgaaagat tatcaattcc tgtttgtcag atgctaaaat attagacgac 600
 acagccctta ctggttangt tgngttacct tttaattggg aactcctgcg ttgtantctg 660
 gttttaccgc 670

<210> 1383

<211> 773

<212> DNA

<213> Homo sapiens

<400> 1383

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 taacacgaat ctgatgatta tgtcagttct ttatttaaag cccccaatc acttcccatc 180
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 aactggctct tcttctgga atactcttcc tcttagtttt tataagatta ggtacttctt 360
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 cattcacgtt ggtgggcaat gatcataagc ncccatctnt agaacttttt catctttcca 720
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<210> 1384

<211> 689

<212> DNA

<213> Homo sapiens

<400> 1384

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 ttccacagtt taatatagat cttagttatt ttcttttccc atttaggaca cgtgttttag 180
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 cacagatgtc tatattcaaa caaagtttat ttttctatga taaaaataat acaagtgtcc 300
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 tagatgactg cttgaagaat ttagtaagag aactttaagc tatagaaaaa gagttgaatg 420
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 aattcacatg caataataga tggaagaatc atagacatga taattggaaa gaggctttta 660
 aataaacnta cntattttaa ggagatgcn 689

<210> 1385

<211> 638

<212> DNA

<213> Homo sapiens

<400> 1385

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 agggtagcat ggtgaattca ggggttagga tggtaggtg gtctttcanc ccttctacnt 600
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<210> 1386

<211> 719

<212> DNA

<213> Homo sapiens

<400> 1386

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<210> 1387

<211> 731

<212> DNA

<213> Homo sapiens

<400> 1387

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<210> 1388

<211> 809

<212> DNA

<213> Homo sapiens

<400> 1388

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<210> 1389

<211> 835

<212> DNA

<213> Homo sapiens

<400> 1389

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<210> 1390

<211> 438

<212> DNA

<213> Homo sapiens

<400> 1390

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<210> 1391

<211> 881

<212> DNA

<213> Homo sapiens

<400> 1391

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<210> 1392

<211> 798

<212> DNA

<213> Homo sapiens

<400> 1392

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<210> 1393

<211> 787

<212> DNA

<213> Homo sapiens

<400> 1393

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<210> 1394

<211> 866

<212> DNA

<213> Homo sapiens

<400> 1394

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866

<210> 1395

<211> 817

<212> DNA

<213> Homo sapiens

<400> 1395

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<210> 1396

<211> 764

<212> DNA

<213> Homo sapiens

<400> 1396

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<210> 1397

<211> 774

<212> DNA

<213> Homo sapiens

<400> 1397

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<210> 1398

<211> 804

<212> DNA

<213> Homo sapiens

<400> 1398

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<210> 1399

<211> 847

<212> DNA

<213> Homo sapiens

<400> 1399

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<210> 1400

<211> 782

<212> DNA

<213> Homo sapiens

<400> 1400

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<210> 1401

<211> 810

<212> DNA

<213> Homo sapiens

<400> 1401

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<210> 1402

<211> 842

<212> DNA

<213> Homo sapiens

<400> 1402

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<211> 844

<212> DNA

<213> Homo sapiens

<400> 1403

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<211> 740

<212> DNA

<213> Homo sapiens

<400> 1404

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<210> 1405

<211> 496

<212> DNA

<213> Homo sapiens

<400> 1405

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<210> 1406

<211> 732

<212> DNA

<213> Homo sapiens

<400> 1406

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gctatagact ggagctgttc ctattcgcc atcttggtc caccctcatg agacttattc	180
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<210> 1407

<211> 695

<212> DNA

<213> Homo sapiens

<400> 1407

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<210> 1408

<211> 793

<212> DNA

<213> Homo sapiens

<400> 1408

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<210> 1409

<211> 859

<212> DNA

<213> Homo sapiens

<400> 1409

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<210> 1410

<211> 754

<212> DNA

<213> Homo sapiens

<400> 1410

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<210> 1411

<211> 860

<212> DNA

<213> Homo sapiens

<400> 1411

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<210> 1412

<211> 729

<212> DNA

<213> Homo sapiens

<400> 1412

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<210> 1413

<211> 742

<212> DNA

<213> Homo sapiens

<400> 1413

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<211> 836

<212> DNA

<213> Homo sapiens

<400> 1414

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<210> 1415

<211> 844

<212> DNA

<213> Homo sapiens

<400> 1415

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<210> 1416

<211> 787

<212> DNA

<213> Homo sapiens

<400> 1416

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<211> 802

<212> DNA

<213> Homo sapiens

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<210> 1418

<211> 766

<212> DNA

<213> Homo sapiens

<400> 1418

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 <212> DNA
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<400> 1419
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 <212> DNA

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<400> 1420

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<210> 1421

<211> 736

<212> DNA

<213> Homo sapiens

<400> 1421

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<210> 1422

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1422

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<210> 1423

<211> 695

<212> DNA

<213> Homo sapiens

<400> 1423

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<210> 1424

<211> 811

<212> DNA

<213> Homo sapiens

<400> 1424

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taatattttt gagatctgtt ctttatttct gatttgggga ttttgtatct tccctttttc 180
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<210> 1425

<211> 872

<212> DNA

<213> Homo sapiens

<400> 1425

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<210> 1426

<211> 795

<212> DNA

<213> Homo sapiens

<400> 1426

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<210> 1427

<211> 791

<212> DNA

<213> Homo sapiens

<400> 1427

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acatctttgc actctccaac agtgctacat ttaacaggta ctagctgcac tctttgaatg	180
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<210> 1428

<211> 836

<212> DNA

<213> Homo sapiens

<400> 1428

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<210> 1429

<211> 811

<212> DNA

<213> Homo sapiens

<400> 1429

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<210> 1430

<211> 846

<212> DNA

<213> Homo sapiens

<400> 1430

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<210> 1431

<211> 856

<212> DNA

<213> Homo sapiens

<400> 1431

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<210> 1432

<211> 834

<212> DNA

<213> Homo sapiens

<400> 1432

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<210> 1433

<211> 860

<212> DNA

<213> Homo sapiens

<400> 1433

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<210> 1434

<211> 877

<212> DNA

<213> Homo sapiens

<400> 1434

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<210> 1435

<211> 630

<212> DNA

<213> Homo sapiens

<400> 1435

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<210> 1436

<211> 745

<212> DNA

<213> Homo sapiens

<400> 1436

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<210> 1437

<211> 764

<212> DNA

<213> Homo sapiens

<400> 1437

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<210> 1438

<211> 733

<212> DNA

<213> Homo sapiens

<400> 1438

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 acatgangga tactgctttg gcacatcgt ttgtgagggc caaggctggg gaagggtgga 660
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 aaaaccacaa naa 733

<210> 1439

<211> 859

<212> DNA

<213> Homo sapiens

<400> 1439

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 cagcccctcc tgcattgagt ggagctgcaa ccctttagaa ctgataatca caaacccctc 180
 agaaccacaa tgaaatgaag gaaaatatgt aacattaggc attgatggaa gaggactaga 240
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 tatactggga tatgtgggca ccagagctta tgctaaagct gntgatcag tgggacaggt 840
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<210> 1440

<211> 751

<212> DNA

<213> Homo sapiens

<400> 1440

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 ggaagaattt gtcaagcaat ataagagcga nggccctncg gcntggggag aagtggccct 720
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<210> 1441

<211> 807

<212> DNA

<213> Homo sapiens

<400> 1441

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<210> 1442

<211> 756

<212> DNA

<213> Homo sapiens

<400> 1442

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<210> 1443

<211> 755

<212> DNA

<213> Homo sapiens

<400> 1443

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<210> 1444

<211> 740

<212> DNA

<213> Homo sapiens

<400> 1444

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<210> 1445

<211> 857

<212> DNA

<213> Homo sapiens

<400> 1445

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<210> 1446

<211> 843

<212> DNA

<213> Homo sapiens

<400> 1446

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<210> 1447

<211> 809

<212> DNA

<213> Homo sapiens

<400> 1447

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<210> 1448

<211> 698

<212> DNA

<213> Homo sapiens

<400> 1448

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<210> 1449

<211> 901

<212> DNA

<213> Homo sapiens

<400> 1449

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<210> 1450

<211> 736

<212> DNA

<213> Homo sapiens

<400> 1450

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<210> 1451

<211> 697

<212> DNA

<213> Homo sapiens

<400> 1451

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<210> 1452

<211> 779

<212> DNA

<213> Homo sapiens

<400> 1452

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<210> 1453

<211> 751

<212> DNA

<213> Homo sapiens

<400> 1453

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<210> 1454

<211> 741

<212> DNA

<213> Homo sapiens

<400> 1454

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<210> 1455

<211> 809

<212> DNA

<213> Homo sapiens

<400> 1455

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<210> 1456

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1456

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<210> 1457

<211> 890

<212> DNA

<213> Homo sapiens

<400> 1457

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<210> 1458

<211> 907

<212> DNA

<213> Homo sapiens

<400> 1458

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aaaatnc 907
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<210> 1459

<211> 736

<212> DNA

<213> Homo sapiens

<400> 1459

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<210> 1460

<211> 695

<212> DNA

<213> Homo sapiens

<400> 1460

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<210> 1461

<211> 826

<212> DNA

<213> Homo sapiens

<400> 1461

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ccttctgcat ttgggtctca gctcaaacat cctcactcca gggaggcctc ccctgtcaat 180
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<210> 1462

<211> 846

<212> DNA

<213> Homo sapiens

<400> 1462

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<210> 1463

<211> 748

<212> DNA

<213> Homo sapiens

<400> 1463

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<210> 1464

<211> 798

<212> DNA

<213> Homo sapiens

<400> 1464

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<210> 1465

<211> 850

<212> DNA

<213> Homo sapiens

<400> 1465

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<210> 1466

<211> 854

<212> DNA

<213> Homo sapiens

<400> 1466

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<210> 1467

<211> 806

<212> DNA

<213> Homo sapiens

<400> 1467

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<210> 1468

<211> 788

<212> DNA

<213> Homo sapiens

<400> 1468

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<210> 1469

<211> 787

<212> DNA

<213> Homo sapiens

<400> 1469

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<210> 1470

<211> 850

<212> DNA

<213> Homo sapiens

<400> 1470

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<210> 1471

<211> 520

<212> DNA

<213> Homo sapiens

<400> 1471

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<210> 1472

<211> 860

<212> DNA

<213> Homo sapiens

<400> 1472

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<210> 1473

<211> 828

<212> DNA

<213> Homo sapiens

<400> 1473

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<210> 1474

<211> 734

<212> DNA

<213> Homo sapiens

<400> 1474

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<210> 1475

<211> 802

<212> DNA

<213> Homo sapiens

<400> 1475

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<210> 1476

<211> 728

<212> DNA

<213> Homo sapiens

<400> 1476

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<210> 1477

<211> 853

<212> DNA

<213> Homo sapiens

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<210> 1478

<211> 831

<212> DNA

<213> Homo sapiens

<400> 1478

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<211> 723

<212> DNA

<213> Homo sapiens

<400> 1479

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<210> 1480

<211> 860

<212> DNA

<213> Homo sapiens

<400> 1480

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<210> 1481

<211> 832

<212> DNA

<213> Homo sapiens

<400> 1481

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<210> 1482

<211> 783

<212> DNA

<213> Homo sapiens

<400> 1482

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<210> 1483

<211> 795

<212> DNA

<213> Homo sapiens

<400> 1483

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gnggctaata atngg 795
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<210> 1484

<211> 722

<212> DNA

<213> Homo sapiens

<400> 1484

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ctgtatgaaa tggatactga gccaaagatgg ctgaatagga acagctccag tctacagctc 240
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<210> 1485

<211> 703

<212> DNA

<213> Homo sapiens

<400> 1485

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 agactcactt gaacccggga ngtggangtt gcagtgagcc cgagatcgtg ccactgcact 660
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<210> 1486

<211> 736

<212> DNA

<213> Homo sapiens

<400> 1486

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gcctgaccaa catgcagaaa ccccgctcgt actaaaaata caaaattaga cgggtgaagt 660
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ggaaatggan ggttgc 736

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<210> 1487

<211> 812

<212> DNA

<213> Homo sapiens

<400> 1487

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<210> 1488

<211> 710

<212> DNA

<213> Homo sapiens

<400> 1488

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tnacaaactc tctctgccat ggatggcacg gtgacgttga aactggtggc caagaaagct 660
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<210> 1489

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1489

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<210> 1490

<211> 846

<212> DNA

<213> Homo sapiens

<400> 1490

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gcacaaattg acattctaag gtcacacctc aaggaactag agaaataaga acaaacaaaa	180
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gataaattcc tggaaagatg caacactcct agcttaaate aggaagaatg agataccatg	540
aacagaccaa taacaacaa tgagattaaa atggtaaaaa attactaaca aaaaaagtcc	600
cagaccagac ggatttacag cagaattcta ccggacattc aaagaagaat tgataccaat	660
cctttgatgc tattccacaa catagagaaa aaaaggaacc cttecttaat tcattctatg	720
aagccagcat caccctaata ccaaaaccag gaaagggtt accaaaaaag aaacttcaga	780
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<210> 1491

<211> 829

<212> DNA

<213> Homo sapiens

<400> 1491

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<210> 1492

<211> 843

<212> DNA

<213> Homo sapiens

<400> 1492

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<210> 1493

<211> 848

<212> DNA

<213> Homo sapiens

<400> 1493

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caagcatttt gggctctggtt agaactaaac tgtagcaaac aaggaggagg tttttcaggg	180
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<210> 1494

<211> 695

<212> DNA

<213> Homo sapiens

<400> 1494

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<210> 1495

<211> 696

<212> DNA

<213> Homo sapiens

<400> 1495

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<210> 1496

<211> 670

<212> DNA

<213> Homo sapiens

<400> 1496

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<210> 1497

<211> 731

<212> DNA

<213> Homo sapiens

<400> 1497

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<210> 1498

<211> 629

<212> DNA

<213> Homo sapiens

<400> 1498

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629

<210> 1499

<211> 622

<212> DNA

<213> Homo sapiens

<400> 1499

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<210> 1500

<211> 738

<212> DNA

<213> Homo sapiens

<400> 1500

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<210> 1501

<211> 713

<212> DNA

<213> Homo sapiens

<400> 1501

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<210> 1502

<211> 756

<212> DNA

<213> Homo sapiens

<400> 1502

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<210> 1503

<211> 846

<212> DNA

<213> Homo sapiens

<400> 1503

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<210> 1504

<211> 723

<212> DNA

<213> Homo sapiens

<400> 1504

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 ggaatgctct ctaccgtctg aaaccgttca tcaggaaggc cttgatttgt gatgtgctag 180
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 ccatgtcctt cagtgccacc attctcttct cccctcccag tggcagcgag gccagatgct 480
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ctcctcccag ccccccatc acagtgactg gacatggctt ggctgttcag agctcagagc 600
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<210> 1505

<211> 773

<212> DNA

<213> Homo sapiens

<400> 1505

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 ttgagacaga gtctcactct gtcacccagg ctggagtga atggtgtgat ctcggtcac 180
 tgcaaccttc acctccagg ttcaagcagt tctcctgcct tagcctctca agaagctggg 240
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 gctggacatg caccaggac tgtgccccct gagctgtcct ggtagaagg aggggagcct 660
 agccacactg atcttacttg aatccccagg actcgatgcc tgangtccgg cagagctcct 720
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<210> 1506

<211> 844

<212> DNA

<213> Homo sapiens

<400> 1506

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ccattgcact ccagcctggg tgacagagcg agactctgtc tcaaaaaaaaa aaaaagaaag	180
aaaaatacag gaataatgca taacaatata ttatcctaca aaacatgaga tatctgcagt	240
gtgaaaacta cacaaatttc tgatgctttt actggaaaa caattttatg aagttaaaga	300
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agatcacctg aggtcaggag tttgagacca gcctgcgaac atggttaaaa cccgcctct	660
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gaggctgaag caggagaatc acaccaacct gggaggcana ngttgcagtg agctgagatt	780
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<210> 1507

<211> 708

<212> DNA

<213> Homo sapiens

<400> 1507

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accatcaaatt ttggggcagc aggaggtgta aatacaagtg agaaaaggga ttctagagcc	180
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 ggctgaagca ggagaatcac ttgaaccag gaggcagagg ttgcagtggg ccaagattgc 480
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 gaggcacatc cttttccatg gagaatagga agccccgaga atggggaggt gtgtgacagc 660
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<210> 1508

<211> 809

<212> DNA

<213> Homo sapiens

<400> 1508

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 gctattgggt gtggttaaaa atgcctttta cggnnttccc cctgggtgggc caggntttcc 780
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<210> 1509

<211> 744

<212> DNA

<213> Homo sapiens

<400> 1509

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<210> 1510

<211> 799

<212> DNA

<213> Homo sapiens

<400> 1510

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tctcaatttc tccttttatg gcttttagat ttcatggttt aaaaagtctt taaaagccag 180
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gcgcagtggc tcacacctgt aattccagca ctttgggagg ccaaggcggg tggatcactt 240
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 ggcagcagaa tcgcttgaac ccaggagggtg gaggttgcag tgagccaaga tcgcaccact 420
 gcattccagc ctaggtgaca gagcaagatg ctgtctaaaa aaaaaaaaaa aaaaaaaaaa 480
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<210> 1511

<211> 853

<212> DNA

<213> Homo sapiens

<400> 1511

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<210> 1512

<211> 827

<212> DNA

<213> Homo sapiens

<400> 1512

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<210> 1513

<211> 642

<212> DNA

<213> Homo sapiens

<400> 1513

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<210> 1514

<211> 788

<212> DNA

<213> Homo sapiens

<400> 1514

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<210> 1515

<211> 809

<212> DNA

<213> Homo sapiens

<400> 1515

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<210> 1516

<211> 845

<212> DNA

<213> Homo sapiens

<400> 1516

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ggagtctcac tctgtcactc aggttggagt gcagtggcgc catctcagct cactgcaacc  180
tccgcctcct gggttcaagc aattctcctg ccgcagcctc ccaagtagct gggactacag  240
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<210> 1517

<211> 749

<212> DNA

<213> Homo sapiens

<400> 1517

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gtaaaaatcc tattacaaca aattgtacca agtcttagac taactagaat aggaccattt 180
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<210> 1518

<211> 825

<212> DNA

<213> Homo sapiens

<400> 1518

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 gggatgaatc cattacatct ctttncctggc taatatTTTT atctaccttc cgactTTTT 780
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<210> 1519

<211> 788

<212> DNA

<213> Homo sapiens

<400> 1519

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 tatgcatctg tttgggagtt ctctatTTat tccattgact tacttgTTta tctttatccc 180
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 taagtgcCCC acctttatta tccctttcca aggttgtctt ggatattTTa agtcctttgc 300
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 gcctgtaatt ccagctactc agaaggctga gggaggagaa ttgcttgaac ctgggaggTg 600
 gagattgcag tgagccgaga ttgtgccact gaactccagc ttgggcaaca gantgagact 660
 gtctcaaaaa aaaaaagatt ttctgaatat attgaaatga gttttctcat cttgncatga 720
 gatgaaaatt ttttctttgc tctacggntg tggcnaatgt gctctattat ggattggagc 780
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<210> 1520

<211> 331

<212> DNA

<213> Homo sapiens

<400> 1520

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 tacctcggcc tcctgagtag ctgggatcgc gggcgtgtgc caccacaccc agctattttt 180
 tttttttttg tagtgtagt agagacagga tttcaccatg ttggccaggc tggncctgaa 240
 ctctgacct caggatgcc acctgcctcg gntcccaga gagctgggat ttagaagcgt 300
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<210> 1521

<211> 692

<212> DNA

<213> Homo sapiens

<400> 1521

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 taggtagaaa caagcaatct gtgcttctca ttactttatg cgatttagtg atgtaattac 180
 ttctgatgca agtttgtgta tgatcacttt ttgtatatat caaatggaac agagcagtca 240
 tgcagtatat ataccatatt gatcaaagat gaattacaga aacttgagaa ggggaaagaa 300
 atcattgac tctcagctga ttgtattgct tcaagtcaag aagataaaaa tgtgctgaaa 360
 caaattcaca gatgaaccaa atacagtcgc aaggagaagg cagtgttttc ctggagcttc 420
 cttggagtgg tctgtagcat agcattttct tttctttttt ttttttttga ggcggagtct 480
 cgccctgtcg cccaggctgg agtgcaatgg cctgatctca gctcactgca gcctccacct 540
 nccgggtcca aatgattctc ctgcctcagc ctcccagta gctgggatta taggtgcctg 600
 ccaccacgcc catctaattt ttgnattttt agtacagatg aggtttcacc atgttgcca 660
 ngctgatctc aaacttctga ccttngatc tg 692

<210> 1522

<211> 836

<212> DNA

<213> Homo sapiens

<400> 1522

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gccctcccta aattttctaa cagcaacctt atctttaag aaattgtccg tgtgtgctct 180
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gcagcgagga gagactcctg tcaaaaaaaaa aaagaaagcc ttcagaaggg agtagagcca 720
gcttttttaa actggttact gggagaaaat tgaaatcaga ccagggtttt taatccaatc 780
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<210> 1523

<211> 724

<212> DNA

<213> Homo sapiens

<400> 1523

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cttgcgcacg cgcagcccgc ccctgcggca gattggcgcc cgcgcgtgac tccccctgc 60
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acgcgccttg gagccccggg gccagctcta gggcccgtgc aggccacacc atgaacacct 180

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ccccaggcac ggtgggcagt gacccggta tcctggccac tgcaggctac gaccacaccg 240
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 acattcgnat gtatgatctc aactccaata accctaacc catnatcagc tacgacggcg 420
 tcaacaagaa catcgctct gtgggcttcc acgaagacgg ccgctggatg tacacgggcg 480
 gcgaggactg cacagccagg atctgggacc tcagggtccc gaacctgcag tgccagcgga 540
 tcttccaggt gaacgcacc attaatgctg tgtgcctgna cccaaccag gcagagctca 600
 tcgtgggtga ccagaacggg gctatccaca tctgggactt gaaaacagac cacaacgagc 660
 agntgatccc tgagcccgan gtcttcatca cgtccgccac attgattccg acgncactac 720
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<210> 1524

<211> 710

<212> DNA

<213> Homo sapiens

<400> 1524

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 cagctcaaat ataggaattc ttaaaccctag ctgaaactcc caaagtgatt tcattgctgg 360
 gcatatttta acatacttag gggaaagcaa atctttaaac aaagcaaac accaaactac 420
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 agacatttgg ttaacttggg tctttttcat aagttctttg ngatgctttg taanggtagt 660
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<210> 1525

<211> 813

<212> DNA

<213> Homo sapiens

<400> 1525

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caaaacaaaa acaaacaaac aaaaaaacct gtatcccttg gtttttagttt gtaaataaac 60
caattgtgaa ttcaataatt tgggggtttaa ttttgtaaac tataatagct cccttttggt 120
gattgctggt tgccatgctc tttggaaggc ttcatgcacc gcgttacatt tagctctcat 180
gacgacctta catttgtaag agtgtgagac agagcagtgc aaggtcctgc ccaaggcccc 240
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<210> 1526

<211> 724

<212> DNA

<213> Homo sapiens

<400> 1526

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 naca 724

<210> 1527

<211> 605

<212> DNA

<213> Homo sapiens

<400> 1527

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 taagaagtat caggaccgag actctctcat cgctggtgtc atccgtgtcg tggaaaagga 180
 caatgacgtc ctctgcact gggctcctgt agaggaggct ggagattcca cccaaatcct 240
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 gttctgggtga cccaggctgg aggttccttg cccgcactgc acttccaccg cgggggcacc 540
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cgncct

605

<210> 1528

<211> 764

<212> DNA

<213> Homo sapiens

<400> 1528

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tntattcct cgcattcagc accttccaaa aaacaagtga catttctaatt attcagggtt 60
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tgagttatta ctggcctttc ttccttactg tatacccggt gcctggcaaa aagtaggtgc 660
tcaacaaaga gaggaaggca gggaggggaa aggtgagcga gaatgagaag gcgtcactct 720
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<210> 1529

<211> 860

<212> DNA

<213> Homo sapiens

<400> 1529

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<210> 1530

<211> 862

<212> DNA

<213> Homo sapiens

<400> 1530

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 aaaaagaaaa cagaagaaaa ttttcatgaa ctgaagttag acaaaaagtt cttagatatg 480

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 catcaaagaa gttatatcga tggaaaataa gcacaagaaa atattttcaa catcattagc 780
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<210> 1531

<211> 691

<212> DNA

<213> Homo sapiens

<400> 1531

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<210> 1532

<211> 728

<212> DNA

<213> Homo sapiens

<400> 1532

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gctgatgctg ccgtgcggtg cttgtcatgg agctggcact gcggcgctct cccgtcccgc 60
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<210> 1533

<211> 644

<212> DNA

<213> Homo sapiens

<400> 1533

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<210> 1534

<211> 830

<212> DNA

<213> Homo sapiens

<400> 1534

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 aaacgatgga aaaggaaggc cgcattaaat agagctctca taaataagca tcaaacttga 780
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<210> 1535

<211> 862

<212> DNA

<213> Homo sapiens

<400> 1535

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<210> 1536

<211> 795

<212> DNA

<213> Homo sapiens

<400> 1536

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<210> 1537

<211> 718

<212> DNA

<213> Homo sapiens

<400> 1537

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<210> 1538

<211> 831

<212> DNA

<213> Homo sapiens

<400> 1538

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<210> 1539

<211> 841

<212> DNA

<213> Homo sapiens

<400> 1539

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<210> 1540

<211> 851

<212> DNA

<213> Homo sapiens

<400> 1540

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<210> 1541

<211> 838

<212> DNA

<213> Homo sapiens

<400> 1541

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<210> 1542

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<212> DNA

<213> Homo sapiens

<400> 1542

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<210> 1543

<211> 838

<212> DNA

<213> Homo sapiens

<400> 1543

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<210> 1544

<211> 831

<212> DNA

<213> Homo sapiens

<400> 1544

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 tgggaagaat ttggaaatcc agatgggcct caagccacaa gctttggaat tgcctgcca 180
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<210> 1545

<211> 850

<212> DNA

<213> Homo sapiens

<400> 1545

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<210> 1546

<211> 846

<212> DNA

<213> Homo sapiens

<400> 1546

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<210> 1547

<211> 820

<212> DNA

<213> Homo sapiens

<400> 1547

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<210> 1548

<211> 855

<212> DNA

<213> Homo sapiens

<400> 1548

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<210> 1549

<211> 772

<212> DNA

<213> Homo sapiens

<400> 1549

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<210> 1550

<211> 818

<212> DNA

<213> Homo sapiens

<400> 1550

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<210> 1551

<211> 851

<212> DNA

<213> Homo sapiens

<400> 1551

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gatggctgcc atgcatgaac agttgtcttt ccagcgtaaa tattgggtaa ttttttgcc 180
acagaaacaa caaagacata tgtcagaact tcattcactc accagggatg ggaacaactt 240

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ccttgctaaa ttggaaaata attttcaaat actgaaagaa tatctcttca gttttgtatg 300
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 acaaagggtc tgaaaatgtt cacaatcagt tccgttaagc cagtgttgtt cggctgcagc 780
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<210> 1552

<211> 414

<212> DNA

<213> Homo sapiens

<400> 1552

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 cctataatcc cagcactttg ggaggccgag gtgggcggat catctgaggt cgggagttcg 180
 agaccaggct caccaacatg gagaaacccc gtctctacta aaaatacaaa aaaaaaaaaa 240
 attanctggg catggtggcg catgcctgta attccagcta cccagctacc cagctacccg 300
 gctgaggcag gagaactgct tgaacctggg aggcagaggc tgcggtgagc caagatcgcg 360
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<210> 1553

<211> 243

<212> DNA

<213> Homo sapiens

<400> 1553

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 ccttctggtt tcgggcgact cttctgcctc ggcatccga gtagctggga tgacaggtgc 180
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<210> 1554

<211> 866

<212> DNA

<213> Homo sapiens

<400> 1554

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 ttcttttaca tcagtcaaaa gcactcttta tgagcactaa atgtgggtaa aggtacaagt 180
 cagagagcac ctgttttagta tatgtggcat tttaaattga gtccttttgg ggtactagtc 240
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 cctttcactt ggaatgacaa cagttgacat taaaaagctg ttggcaggta tggaataacc 360
 ttattctggt accaaatagc aaagaccaaa gtgcatgtga ggtgtctcac aggtttaata 420
 aatcagcaat tacatctctc gagtgtgata tttataggtg gcatttagaa cttggggcgt 480
 aacaatgcgt acaaagacat cattctatct gcacctaatg tccgaaattc ctactgctcc 540
 agcaaaattt ctgacgtgtt agtttcagga gtagcacgca aactgtgttt ttttaagttat 600
 gcagacagca acctgtccta catgcaagtc acaatcactc atgaaaatta gtttatgttg 660
 cttatagctt cgcagcttgt gagctttcac tagagccgag gaagacttca aagcgactag 720
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 cttccatcta aggactctag ctncctaacct tcccggcctt aaggggttac cacaggcatt 840

tttaaccgca ttcccttttt ccnttt

866

<210> 1555

<211> 859

<212> DNA

<213> Homo sapiens

<400> 1555

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 caaaaataaa gggaaaagag aggaaaaatt gccaaaacaa agaaaatctt aaaatcagcc 180
 aaaggaggaa aaagatacat taccttcaaa ggagcggcag taaagacgga cagtctactt 240
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 aactgccaac ctagaaatct gtatgaagca aaaatatctt tcaaaaatga agtgagaata 360
 tagacatctt cagacagaca aaattagaat tcatcaccag cagatctaca ctagaggtac 420
 tataaagaaa gttcttcagg taaaaggaaa attatcccag ctggaagcat ggagatgcag 480
 gaaggagtaa agagcactgg aaaggataga tagacgaata catctaaaat aatgtgaact 540
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 tttttcctcg gctctcactc tacaacagtg atcatcacag aggacttctt tgaccaaata 780
 tgtggatttc ttccccacgt gccaaaggcaa ggccatcagt ttntgcaatg ggccnccaac 840
 ttgggtcggg cttaacncc 859

<210> 1556

<211> 714

<212> DNA

<213> Homo sapiens

<400> 1556

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cggccgtcag cttccaccag gtggacttca ctttcgaccg gcgcgtgctg gccgccgggc 60
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acggccgcat caaccacgtg ttgggccacc tagccgactg cgacttcctg gctgcgtctt 180
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atcggaactc ggccaaactc ccctagacag atgggtgacc tgtctccttt gagaggatgc 420
tgaggcatct gtagcagctg tttcaaacac caatgtcacc tctcctcctg gccccgccc 480
aatggggaga ggaatttggg gccctactct ggggaccacc tttcaccgt ttgtactttc 540
tgggccacgc cgacccttg gtcgcttgat gtaaaagcca aaagctgctg cctnccactt 600
ggatcatgtc gcctgggatt ttcatccctc gacaaggact aggggttcac acggtgaact 660
gggggaangg aagtgttaag ggggcaagtc gngghacccc cctttcata aact 714

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<210> 1557

<211> 803

<212> DNA

<213> Homo sapiens

<400> 1557

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gctaggtcgg ctttāaaatc gatgcagagt aattgcagta catgggtagt tggatgacat 60
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attctgtgcc ccttaccgg ctaatttgaa cacagctcac cgccaaggcc tcctccagca 180
tggccagccc tgggcagaga tcgtcacgaa tggatttgac gggaatgggg ctggggactg 240
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atggagtaac attcccga cgcctctgca gtactgcacg tgtgcgtgtc tgtgctttgg 420
tttgtctgtg tgtctacctt gttttagagt aaaaaagtga atctgaggcc agatcatcag 480
tctgcacctg cctctcctca gtataatata aatacagaag aattatatc ctacctaag 540

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gaattcatcc acatactata tttcaggcat ctattggtga atcccagaga ccgccgagtt 600
 gtgattatcg aatcggtatt atgtccttct cacttcagag agacactcac tcgtgttctt 660
 ttcaaatatt ttgaggntcc atctgtcttg ctgtctcaa gtcactaat ggctcttctg 720
 acgcttgga ttaattcttg ncatgggcct anattgggga tataggga gacctggtgtt 780
 acccatatnt gaaggaatcc caa 803

<210> 1558

<211> 698

<212> DNA

<213> Homo sapiens

<400> 1558

gaattttgtg gggacacaga tagtgagatt atagtgggtg ttcactctctt ccctgccatg 60
 ccatgcacac acgtggcacc ttgggtttgt ctggggggag aatgatgttc ccgttatccc 120
 gatgggtgtcc agcttttcta tttgtcatgt cagctgctgg gcctgtctta gaagttgcta 180
 ataacttcca ctttaatat actcttattg atgcattggg tttttttatt gaccaataaa 240
 taatttaggc attggcaatg ttaagaccat aacataaacc ttttctaagt aatttttcca 300
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 cagtcttaac ttataaagca tgttcagaca tgcttttcag atgattttgt ttcattttta 480
 aaggggaaat ggcattaacc taataggaat tctcctctg aacctcagag gcagcagatg 540
 gtacagctct ctttgaactt tactgcccag gtgaacgttc tctgcattta gatcttcagg 600
 agttttacag actagtgtgg agtgggacat gtaagggnca agangaagag gcaggtttca 660
 acttgagctc ttcttcctcc ttaaagcang gacaagtg 698

<210> 1559

<211> 694

<212> DNA

<213> Homo sapiens

<400> 1559

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 cctgggttca agcgatcttc ctgcctcagc ctctcaaagt acagagatta caggcatgaa 120
 ccaccgtgcc tggctctatt ttttaatttt tgaggaaact ccatactgtt tttccataat 180
 ggttgtacta atttgtattc ccaccagcag tgtgcgaggg tttcctttcc tttacatcat 240
 caccaacact tgttcattgt ttttatagta gccgttctaa cgagtgtctag gtgatatctc 300
 attttggttt gttttttatt tatctatfff tgatggagta tcactctgtc acccaggcta 360
 gagtgcagtg gcatgatctc agctcactgc aacctcagcc tcccaaatac ctgggattag 420
 aggtgtgcac tatcacggcc agaaaatttt tgtgtattta gtagagatgg ggtttcgcca 480
 tgttgcccag gtaggtctcg agctcctgac ctcaagttca ggtgatctgc ccacctcagc 540
 ctcccaaagt attgggatta cagacatgag ccaccatgcc caccctaatt aacagtattt 600
 gtcaaatfff aatgtgcac anattcttag gtctcagctg gcatctgttt ccagctcttg 660
 gtgctatttg caaccttgn tcttangatg aagc 694

<210> 1560

<211> 770

<212> DNA

<213> Homo. sapiens

<400> 1560

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 cgaggaccat gctgggccgg agcctccgag aagtttctgc ggcaactgaaa caaggccaaa 120
 ttacaccaac agagctctgt caaaaatgtc tctctcttat caagaagacc aagtttctaa 180
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 caccttataa tgctacagta gtccagaagt tgttgatca gggagctcta ctaatgggaa 420
 aaacaaattt agatgagttt gctatgggat ctgggagcac agatggtgta tttggaccag 480

ttaaaaaccc ctggagttat tcaaaacaat atagagaaaa gaggaagcag aatccccaca 540
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 ctgtatcggc gttcacatgc tacgcggctt taggatcaga tacaggagga tcgaccagaa 660
 atcctgctgc ccactgtggg cttggtggtt tcaaaccaag ctatggctta ntttcccgtc 720
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<210> 1561

<211> 693

<212> DNA

<213> Homo sapiens

<400> 1561

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 tgtaagaagc agacatgtca cagccctggt tatacagtca gtgtataata agtggttaagc 180
 cgtcagagga ggcagccggt gagaatggga gcattctcagc agccctccgc cccctgctcc 240
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 ccaaggctga ggccgaggct gaggctgagg ccaccttggg gaggaggaaa ttgcaggtgg 420
 agaagctcgt tgaccgtgac cttgatctga ccgtaatttt gatggtgccg atgccgtcag 480
 cacgcaggcc tectgccctc gccacgactg gctcctgcag cccacctggc tgagaggtgt 540
 gctggctctc gcaggttgca aaatggggac atcacgtcc gcctgggcta cagcgtgctc 600
 gccgattgca tttggggagg gactganggc tgattgtgtt gtggggatgt tgagagaaat 660
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<210> 1562

<211> 689

<212> DNA

<213> Homo sapiens

<400> 1562

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 gtacattgaa aatttcagat tcataagaaa ccatcagtc tgactggaac ttcataattt 180
 gttcatttgt ctgtgttttg ggggaaaaaa ctttaaaacc tcaaccattt atcaaggaat 240
 ttgattaaaa aaaataatct atcaagtggc tgatctctta cattaaggga aaaaacaggc 300
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 tctgcatatt ttaaaggact ggcatcttta tggttaagaaa gccatataaa taaagatata 540
 cttagatgaa aatcggaaca tgttttttaa atagtgtgtg tctactttca tctctgttat 600
 caaacttgct gcataagcca gagttgatgc tctgtgatta tgctaataac caaagaatc 660
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<210> 1563

<211> 725

<212> DNA

<213> Homo sapiens.

<400> 1563

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aaataaaaaat gaaaatgcct cctgcctcct actgcttcct cctacataca ccttaaggaa 540
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 tcataggaaa tgacttgta gtgtatcaag ttacatatg tatttccatg accatacata 660
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<210> 1564

<211> 763

<212> DNA

<213> Homo sapiens

<400> 1564

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 tggctagaaa cccttctggt tgcaggtcgg ccagtagcta cggagacaaa tgccagcact 660
 tgagtcttca ctcggtctta agaaactggn ctggtctgac ctgggaattg gctatatgct 720
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<210> 1565

<211> 713

<212> DNA

<213> Homo sapiens

<400> 1565

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gaggaagggg gtgccctgcc accctgagaa caatggtgtg tgcagaagag aagggactga 180
aactctttga agatgttcca ggatttagca cccagggagc ggcgagagact cagccccacc 240
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<210> 1566

<211> 666

<212> DNA

<213> Homo sapiens

<400> 1566

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ggtgagctca gaagccatca gatcgtggcc tactggtcc cagttgtgga gtccgatgag 180
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tccttctgtc actcctctgt ggcctggagc ggcctgctgt ctcccgggtca cgagccagcc 480
 cgtgggcatc agcaccgcaa gagcagggtc cgtccatctt ttgaggcacc cccacccccg 540
 ccacacagtg ccttctgttt cctctcattg ggcagaatcg tgicattgtg ccgcccagtt 600
 gcaaggggagc ccgggaaggg tgcctgggcc cttgtncaac aaaactggct ggttgggann 660
 aatgcc 666

<210> 1567

<211> 742

<212> DNA

<213> Homo sapiens

<400> 1567

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 ggtcaacctg gcagtcaagc aggtcttggc caacaagagc cacctctggg tggaggagga 180
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 tgggtataact gtgtgcaaat aggaggtttg aggtccaaat tcctgggact caaatgtatg 660
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<210> 1568

<211> 762

<212> DNA

<213> Homo sapiens

<400> 1568

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tgatttttaa aaaaattgg cattcacaca atttctacta ccacagatga gacttctttt 720
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<210> 1569

<211> 718

<212> DNA

<213> Homo sapiens

<400> 1569

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tccagtggta cagttacagc ctttttctgc tgagttcaag ggattttccc aacgcagcat 60
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ttcaacgctg tatatgcgga gtctgacttc cagagcactt ttgtaatcca aatgccacgt 660
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<210> 1570

<211> 591

<212> DNA

<213> Homo sapiens

<400> 1570

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<210> 1571

<211> 845

<212> DNA

<213> Homo sapiens

<400> 1571

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<210> 1572

<211> 742

<212> DNA

<213> Homo sapiens

<400> 1572

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<210> 1573

<211> 733

<212> DNA

<213> Homo sapiens

<400> 1573

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<210> 1574

<211> 724

<212> DNA

<213> Homo sapiens

<400> 1574

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cctgtctcaa aaaaaaaaaa nnnngaaaaaa aaaagacctg gcgcaatggc ttacacctat 720
aatt 724

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<210> 1575

<211> 711

<212> DNA

<213> Homo sapiens

<400> 1575

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actagcagca gcggcagcag ccctagtccc gcggtgcggt cgaattggtc cccagccctc 60
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cggctccgtg gtcaacttcc cctcgctggg ctcggctggc gggcgcgagg ggcagcgggc 180
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<210> 1576

<211> 748

<212> DNA

<213> Homo sapiens

<400> 1576

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 acaaggggca ttgggccatt tgaggaagct gcagacagag cactggccac caccaaagcc 480
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 caattccgtg caaagatgat acatctttga agttgatgag gcctattaat tgagcttatg 660
 ccccttaaaa tgaattanat tcttgaaatt accacacaga gtacatccat tagtggttct 720
 ggcncggagg aatgaggacc ccagnc 748

<210> 1577

<211> 835

<212> DNA

<213> Homo sapiens

<400> 1577

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ctgncattaa ccaaaatgaa catttgnac ataattttaa acctactgta gtacaacaag 780
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<210> 1578

<211> 812

<212> DNA

<213> Homo sapiens

<400> 1578

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tcttttagtta ttcaaattgt gaggttaaga aaggaactcc taagtgtagc tactgcttct 180
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 aaggatgggg acagtgggtg cagttgaaca cacaacctaa ctctgaactg ggtccttgat 480
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 ctccataaag atgtttattt aaatnaaaac agttaagata aacattactg gtattgggaa 720
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<210> 1579

<211> 809

<212> DNA

<213> Homo sapiens

<400> 1579

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<210> 1580

<211> 765

<212> DNA

<213> Homo sapiens

<400> 1580

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<210> 1581

<211> 778

<212> DNA

<213> Homo sapiens

<400> 1581

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<210> 1582

<211> 790

<212> DNA

<213> Homo sapiens

<400> 1582

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 gcacttattt gttctcatgt ctgtcctctc agagccaata agctgtaaaa aactctcaaa 180
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<210> 1583

<211> 793

<212> DNA

<213> Homo sapiens

<400> 1583

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<210> 1584

<211> 722

<212> DNA

<213> Homo sapiens

<400> 1584

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ta 722
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<210> 1585

<211> 705

<212> DNA

<213> Homo sapiens

<400> 1585

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gacttccttg tgtctgctg gcagaggtca ctagttttga cacctgggtg gagatgtgaa 180
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gatttttttg ttaataaggg accttctcaa agatactttt aaatgaaaag acaaagggtc 600
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<210> 1586

<211> 786

<212> DNA

<213> Homo sapiens

<400> 1586

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cccacc

786

<210> 1587

<211> 798

<212> DNA

<213> Homo sapiens

<400> 1587

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tgggatgcta gttggTTTT ctattaatac acttaacttg cattctagct tcgncattca	720
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<210> 1588

<211> 837

<212> DNA

<213> Homo sapiens

<400> 1588

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<210> 1589

<211> 846

<212> DNA

<213> Homo sapiens

<400> 1589

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 tttgaactta cttttcaaaa ctttcgtatt gctgttcagg tcccagggtg gccatccatg 180
 ccattgtgca gttctcaacg cttttcctct gccgccttgg gtcagttcac acatgggcat 240
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<210> 1590

<211> 853

<212> DNA

<213> Homo sapiens

<400> 1590

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 tactaaaaat agaaaaaat cagccgggtg tgggtggcggg cgctgtagt cctagctact 180
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<210> 1591

<211> 815

<212> DNA

<213> Homo sapiens

<400> 1591

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<210> 1592

<211> 690

<212> DNA

<213> Homo sapiens

<400> 1592

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<210> 1593

<211> 849

<212> DNA

<213> Homo sapiens

<400> 1593

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 agagcatgga gagccagcag cttcatttct aaggacagga agccaaatct gcacttttca 180
 cttccactca taatccaccc tgcattccac tcatcagctt cacaagtagg ttttcacctg 240
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<210> 1594

<211> 847

<212> DNA

<213> Homo sapiens

<400> 1594

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<210> 1595

<211> 831

<212> DNA

<213> Homo sapiens

<400> 1595

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cgtcgctga agaccttggc nggaattagc caagccggtt ganatgcata cctttgggag 780
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<210> 1596

<211> 805

<212> DNA

<213> Homo sapiens

<400> 1596

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<210> 1597

<211> 845

<212> DNA

<213> Homo sapiens

<400> 1597

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<210> 1598

<211> 851

<212> DNA

<213> Homo sapiens

<400> 1598

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<210> 1599

<211> 742

<212> DNA

<213> Homo sapiens

<400> 1599

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<210> 1600

<211> 785

<212> DNA

<213> Homo sapiens

<400> 1600

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<210> 1601

<211> 768

<212> DNA

<213> Homo sapiens

<400> 1601

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<210> 1602

<211> 756

<212> DNA

<213> Homo sapiens

<400> 1602

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ccacctttca cagtatctac acagtctctt ctctggttag catcctgagg aagaacactg 660
ctctgagaag gccgccttnc tcattccagg gcggaatctg gtcactcatc cagcccagac 720
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<210> 1603

<211> 832

<212> DNA

<213> Homo sapiens

<400> 1603

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ncgatcaaga aacagttcac tttgaggctt acacctacaa ggatcctttc tgcagtaaga 780
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<210> 1604

<211> 801

<212> DNA

<213> Homo sapiens

<400> 1604

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tgatcttggg cttccagcc tncaaactgt gagaaataaa tttatattgg ttataaatta 600
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gtccccaaat gacccttnca atttttatttc tcaagagttt ttggttctca ctncagtctt 720
tacttaagct accaccacat aatcccatgc tatattttta tatctaaaga ccgcangtac 780
caaaaatcct ntactcaagg g 801

<210> 1605

<211> 750

<212> DNA

<213> Homo sapiens

● <400> 1605

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gggccctggc ggtggacgag caggaagctg cggctgagtc gttgagcaac ttgcatctta 180
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ggccngaaan atcantgagc cagattggca 750

<210> 1606

<211> 767

<212> DNA

<213> Homo sapiens

<400> 1606

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 tagttaatgg tctccaatgc ctttttggcc ttttagaaaa gtgtgtttgt gtgtgtatgt 180
 gtattttgcaa ttgacacat cttttttctg acatacctgt tttcaacaag tattttttaga 240
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 tagaaatctt tccttcaact gagaaaattg taaaaattaa gcttctcaat ggaaaagaaa 360
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 aagggtcaaa tccattaaaa ctctcccaag tggaacaagt gacctgaatt acttgnttgc 480
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 cctacagtct tcacagctcc caagctntgg cagtacctgt tacgtacagt ttatgtgctt 660
 gataatattc aggggtgntaa atcattcagc tctatacctt gatggcttct acaaactggc 720
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<210> 1607

<211> 730

<212> DNA

<213> Homo sapiens

<400> 1607

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 aagttcctgt gtatgctgag ataacaccag tgaaaaacct ggcatggagc ccagcactga 660
 gaactttcag aaagtggtag ccttcttcca actgggtata cccaccatt ttcnaatagn 720
 aatcattnaa 730

<210> 1608

<211> 703

<212> DNA

<213> Homo sapiens

<400> 1608

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 tgcctaataga agtatgattt atccatacta tgtaatatata cataaccatc aaaaatcata 120
 tttaaagata atgacatggg gaaatgctta ctatctatga aaaaagtaaa atatgaaact 180
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 aggaattgct gggtcgtata gatacacatt tgtccagcct tagtagctat tgccaattag 360
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 tcaattatca gaagaaaaac attttatttt tctaataaca ttccaaacaa ttatgatgac 660
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<210> 1609

<211> 704

<212> DNA

<213> Homo sapiens

<400> 1609

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gaggagggca agatgttggc ccatTTtgag cgctggagtc atcgttatga tgagtggatt	180
tactgggata gcaatagatt gcgaccctt gagagaccag cactaagaaa agaagggcta	240
aaagatgagg aagatttctt tgatttttaa gctggagaag aagtTctggc tcgttggaca	300
gactgtcgct attaccctgc caagattgaa gcaattaaca aagaaggaa acattacagtt	360
cagttttatg atggagtaat tcgttgttta aaaagaatgc acattaaagc catgcccag	420
gatgctaagg ggcaggattg gatagcttta gtcaaagcag ctgctgcagc tgcagccaag	480
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ccagacgtag agaagaagga agatctgcct acatctagtg aaacatttgg acttcatgta	660
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<210> 1610

<211> 782

<212> DNA

<213> Homo sapiens

<400> 1610

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aatcaacaaa atagatagac caccagcaag actaacaag aagaaaaaag aagattcaaa	180
taaacacaat aagaaatgat aagggggata ccatcactga tcccacacaa atacaaacaa	240
ccattagaga atactataaa cacctctatg caaataaact ggaaaatcta gaaggaatgg	300
ataaattcct agataaatac acatttcaa gactgaatca ggaagaagtt gaatccctga	360
atagagcaat aacaagttct aaaattgaag cagtaataaa taccctacca atcaaaaaa	420
gtccaagtcc agatggattt acagctgaat ttaccagag gtacaaagag aagctggttc	480

catttattcc gacactatTTT caaacaactg aaaaggagga acttctccct aactcatgct 540
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 acattccaat agcaccaacc aaaaggattt atcccgnccg gcccgggcgc cgggtgggctt 720
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 cg 782

<210> 1611

<211> 327

<212> DNA

<213> Homo sapiens

<400> 1611

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 aggtgtccag tgtgaggtgc aactgggtga gtctggggga ggcctggtca agccgggggg 180
 gtccctgana ctctcctgng cagcctctgg attaagcttc agnacctatg ccatgaactg 240
 ggtccgccag gctccagga aggggctgga atgggtctca agtattagta gtagaagtga 300
 ttacntatac tataganact cagngaa 327

<210> 1612

<211> 711

<212> DNA

<213> Homo sapiens

<400> 1612

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 caagtatctg tatcactctg ggattgtcac tgggtgcctta tttagtttat ttggtgaggt 180

catgtttctc gggatggtct cgatgctttg gatgtttgtt gatgtccgag cattgaacgg 240
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 cactggatca gacctaaagc cagggcaaca ctgggtcttg cctaaagccc acagtgacca 660
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<210> 1613

<211> 726

<212> DNA

<213> Homo sapiens

<400> 1613

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 tccttattca caccagtgga ggcggctacc atcgtggcag tgacgggcac cacacacgcc 180
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 ccaatgctgt ccgatattct gcgccgctgg actctctngg cgcccgggtct gggcccctta 660
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<210> 1614

<211> 846

<212> DNA

<213> Homo sapiens

<400> 1614

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ctacaaccat ctgatctttg acaaacctgg caaaaacaat aactgggaaa aggattccct 180
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<210> 1615

<211> 846

<212> DNA

<213> Homo sapiens

<400> 1615

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<210> 1616

<211> 785

<212> DNA

<213> Homo sapiens

<400> 1616

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 cagtattaat tacttttttt taaaacaaat taatttaaga gtcgtaaaac ctaacaagtg 720
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<210> 1617

<211> 841

<212> DNA

<213> Homo sapiens

<400> 1617

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 tttcctagtg ataagagtcn aggattaatt ggtaaattct tttttgaaac tgagagatgc 780
 cagggaagg tggctcatgc ctatacccca gttactcgga agcttaggca ggaaaattgt 840
 t 841

<210> 1618

<211> 702

<212> DNA

<213> Homo sapiens

<400> 1618

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gctctgagag cccttccana gagcancctc cgagggttc agaacccttc gaaaagccct 660
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<210> 1619

<211> 806

<212> DNA

<213> Homo sapiens

<400> 1619

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aagggaatg ctttttagatt aaaatgaagg tgacttgac tgagcgggac ctgcgagcag 180

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<210> 1620

<211> 781

<212> DNA

<213> Homo sapiens

<400> 1620

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<210> 1621

<211> 826

<212> DNA

<213> Homo sapiens

<400> 1621

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<210> 1622

<211> 783

<212> DNA

<213> Homo sapiens

<400> 1622

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atgttctcat ccattctctg nctctggtct catccagtag tgaaataaga gagttggcca 720
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<210> 1623

<211> 462

<212> DNA

<213> Homo sapiens

<400> 1623

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<210> 1624

<211> 797

<212> DNA

<213> Homo sapiens

<400> 1624

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<210> 1625

<211> 780

<212> DNA

<213> Homo sapiens

<400> 1625

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<210> 1626

<211> 695

<212> DNA

<213> Homo sapiens

<400> 1626

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<210> 1627

<211> 661

<212> DNA

<213> Homo sapiens

<400> 1627

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<210> 1628

<211> 802

<212> DNA

<213> Homo sapiens

<400> 1628

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<210> 1629

<211> 751

<212> DNA

<213> Homo sapiens

<400> 1629

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<210> 1630

<211> 764

<212> DNA

<213> Homo sapiens

<400> 1630

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<210> 1631

<211> 816

<212> DNA

<213> Homo sapiens

<400> 1631

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<210> 1632

<211> 860

<212> DNA

<213> Homo sapiens

<400> 1632

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<210> 1633

<211> 727

<212> DNA

<213> Homo sapiens

<400> 1633

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<210> 1634

<211> 755

<212> DNA

<213> Homo sapiens

<400> 1634

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<210> 1635

<211> 800

<212> DNA

<213> Homo sapiens

<400> 1635

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<210> 1636

<211> 845

<212> DNA

<213> Homo sapiens

<400> 1636

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<210> 1637

<211> 828

<212> DNA

<213> Homo sapiens

<400> 1637

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 tagaaggaaa acagaggaag aaggctctgag tagtcccagg gacgccagag gccaagatgg 180
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 aggaatgagt gtagaaaaag ggagaaaaaga acaagaaga aaaacaacag caagtctctc 660
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 gaaggaggag gataagtcca ngtagcctga nggactaggg aagcccagat gggaagacca 780
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<210> 1638

<211> 849

<212> DNA

<213> Homo sapiens

<400> 1638

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gatccagggg gttttatttg ggaaattcct ctggtggaca tggntcaggt taagacaaga 840
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<210> 1639

<211> 770

<212> DNA

<213> Homo sapiens

<400> 1639

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<210> 1640

<211> 704

<212> DNA

<213> Homo sapiens

<400> 1640

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ttgcagagta aagtggagac agccgaatca cgagtgtctg tcctggagtc catgattgat 180
gacctgcagt gggatattga caaaattcga aagagggaac agcgactcaa ccgacactta 240
gcagaagtcc tagaacgggt gaattccaaa ggttataagg tgtatggagc ggggagcagt 300
ctgtatggcg gcacaatcac tatcaatgct cggaagtttg aggaaatgaa tgcagagctt 360
gaggagaaca aagagttggc tcagaaccgt ctctgtgagc tggagaaact tcggcaagac 420
tttgaggagg tcactacaca aaatgaaaag ctgaagggtg aattgcggag tgcagtggag 480
caagtcgtta aggaaactcc agaatatcgc tgcattgcagt cacagttctc cgtcttgtat 540
aatgagagcc tacagttgaa agcacacttg gatgaggctc ggacctgct tcattggcacc 600

agaggaaccc accagcacca ggttgagctt attgagcgag atgaggttag tcttcataag 660
aagctganga ctgaagtaat tcanctngaa gatacattgg ccca 704

<210> 1641

<211> 828

<212> DNA

<213> Homo sapiens

<400> 1641

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gaacttcatac aagtaaatat agcttcataa acatcataaa aagatcaatg aatactacca 180
catattcttt taactaaatg ggatgggtcta ggatcttgta acatattgca caatgaagtt 240
tcctgttgaa tgactgtctg gctaaaagta cttcttgctc ttaaaaatca tattgtacat 300
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aaccgtgttt actgaaaccc tcaaaaatac aaagatagga tttccagcct tcttttcaaa 540
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ctaccagatg tacaacaag agctggcacc attcctacag aaactattcc aaaaaactga 660
agagaaagga ctctccaca acttattcta tgaggccagc atcatcttga taccaaaacc 720
tggcagagac acaccggaga aagaaaactt cangccagta tccttgatga acattgggtg 780
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<210> 1642

<211> 804

<212> DNA

<213> Homo sapiens

<400> 1642

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tatgggcacc	gtcccttgtc	caagcagctg	agtgtgaca	gtgcagaggc	tcacagcttg	180
aacgtgaatc	ggttctcccc	tgctaactac	gaccaggcgc	atttacaccc	ccatctgttt	240
tccgaccagt	cccgggggtc	ccccagcagc	tacagccctt	caacaggagt	ggggttctct	300
ccaacccaag	ccctgaaagt	ccctccactt	gaccaattcc	ccacettccc	tcccagtga	360
catcagcagc	cgccacacta	taccacgtcg	gcactacagc	aggccctgct	gtctcccacg	420
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cggcattcgc	tcaccggcca	ctcggacatc	cggctgcccc	caacagagtt	tgcacagctc	540
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caggaactgt	tcaggcacat	gaaccaaggg	gatgcgggga	gtctggctcc	agccttgggg	660
gacagagcat	gacagagcgc	caggctttat	cttatcaaaa	tgctgactct	tatcaccatc	720
acaccaagcc	cccagcatct	gnttacaaat	cagggcacia	ngaattgtgc	ttaaaaggct	780
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<210> 1643

<211> 553

<212> DNA

<213> Homo sapiens

<400> 1643

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cctcagtctc	ctgagtagct	gggattacag	gcacatacca	ccatgcccgc	ctcatttttt	180
tgtattttta	gtagagacag	ggtttcacca	tgttgccag	gcttgtccgg	aactcctgac	240
ctcaggtgat	ccacctgcct	cggcctccca	aagcgctggg	attacagtta	gagtctccat	300
gcccggctga	ttttaaat	taaaattaag	ccttgtatag	cctgggcaac	atggtgagac	360
ccttccacaa	aatgaataa	ataaataaaa	ttaaccaggt	gtggtgatgt	gtgcctgtag	420

ttccagcgac tggggaggct gaggtgggag gatcccttga gcccaggagg tcaaggctgc 480
agtaagctgt gatcatgccā ctgtcctnca gtctgggtga caaagcaaga ccctatctct 540
taaaaaaaaa ana 553

<210> 1644

<211> 844

<212> DNA

<213> Homo sapiens

<400> 1644

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ttaactgact gtgccacgct ctccttccag agcagtgttt cttāatttca gcactactga 180
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ttgggcctgg tcataāāāā ātgtgccāc tcctcāctg āāācāāāc āācāgtggc 480
ccgtgactga cttggcāāāā tāācāctttg ttāāāāāā gctāāāāā cāgttttggc 540
cgggaggātāg āgctāācctc āāātāāāā cttgāāāāā gccāccācāc tāātācātāg 600
tgtgtācātā gātāāāāā gācttāāāā gggtāāāāā ātāāāāāā ttgtāāāāā 660
tāāāāāāāā tāāāāāāā āāātāāāāā ttctttttāā āāāāāāāā gāāāāāāā 720
gāāāāāāāā cāāāāāāāā tātāāāāāā āāāāāāāā āāāāāāāā gāāāāāāā 780
tttttāāāāā nctāāāāāāā tggāāāāāāā āāāāāāāā tāāāāāāā āāāāāāā 840
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<210> 1645

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1645

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gacgtgtgac cgcgagcaga agtccttcct cagccgcctg tgccaggggg aagagctgca 180
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ggtcctggag gaagccgagt tctacaacat cggcccgtg atccgcatca tcaaagaccg 360
gatggaagag aaggactaca cggtcaccca ggtcccaccc aagcatgtgt accgcgtgct 420
gcagtgccag gaggaggagc tcacgcaaata ggtctccacc atgtctgatg gctggcgctt 480
cgagcagctg gtgaacatcg gctcctccta caactacggc agcgaggacc aggcagagtt 540
cctgtgtgtg gtgtccaagg agctccacag caccctaaac gggctgagct cagagtccag 600
ccgcaaaacc aagagcacgg aggagcagct ggaggagcag cagcagcagg aggaggaggt 660
ggaggaaggt gaggtggaac aggtgcaggt ggaggcagat cacaggagaa aggtcccgtn 720
cgacctntc aacctgagct gacttgcant ga 752

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<210> 1646

<211> 445

<212> DNA

<213> Homo sapiens

<400> 1646

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gagagggagg ccatttgatt gagaaggga taaatcgag tggtatgatt accacaaagt 180
cagtccatat gggttacaac agttcaatca agaactaggc caggcacggt ggctcacgcc 240
tgtaattcca gcactttggg aggctgaggc ggggtgtatca cctgaggtda agagttggag 300
accagcctga acaacatggt gaaacccct tttacaaaa ttagctgcgc gtggtgctgc 360

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canangttgc aatgagccan gatcg 445

<210> 1647

<211> 858

<212> DNA

<213> Homo sapiens

<400> 1647

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gtccaaattc atagatcaca aacttcatat gtaccagagt atgtctaggt actgggagat 180
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ggatatgcc tcaagataat atggatttag aaccagaact ttcataatgn atttctattg 780
aaatgttagt tcataagcca tgattgggtt ttcatgccca tgtgtgaaan gtgcctnctt 840
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<210> 1648

<211> 799

<212> DNA

<213> Homo sapiens

<400> 1648

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 cgttctacga cgtggccaga catggcattc tgcagggtggc aggggatgac cgctttggaa 180
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 ggctgcagtc tgcaatacct caaagacaaa aatcaaggcg aacttatccc cctgtgctga 720
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<210> 1649

<211> 841

<212> DNA

<213> Homo sapiens

<400> 1649

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 tcttagtaag aaggtaatta ttccaggcac cagtttcac tctactggaa agggaaagaa 780
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 c 841

<210> 1650

<211> 745

<212> DNA

<213> Homo sapiens

<400> 1650

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<210> 1651

<211> 766

<212> DNA

<213> Homo sapiens

<400> 1651

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taggtctgcc ccactctgaa gtcttcagtt gnttgtgctg cagcatgctg cctctggtct 720
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<210> 1652

<211> 762

<212> DNA

<213> Homo sapiens

<400> 1652

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ggctcccaga tcttgaccat atcctcccag aggcctgagcc aggcctgggc actgtcccct 120
    
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caaatgtgag aatactgggc agggggaggg gagaaaggag ggaatggagg gctgagcctg 180
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<210> 1653

<211> 863

<212> DNA

<213> Homo sapiens

<400> 1653

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<210> 1654

<211> 918

<212> DNA

<213> Homo sapiens

<400> 1654

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<210> 1655

<211> 704

<212> DNA

<213> Homo sapiens

<400> 1655

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<210> 1656

<211> 712

<212> DNA

<213> Homo sapiens

<400> 1656

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<210> 1657

<211> 605

<212> DNA

<213> Homo sapiens

<400> 1657

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 tgtggttcca gctactcaag tgatccttct gccttgggtt tccgagtagc tgcaattaca 540
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<210> 1658

<211> 626

<212> DNA

<213> Homo sapiens

<400> 1658

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aggatagaag gaacgtatct cagtgaagtgt gcaagttaag tacttggcat aatgtaatag  180
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<210> 1659

<211> 807

<212> DNA

<213> Homo sapiens

<400> 1659

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catcagcccc aacatctctg ctctctaaga acattcccat agagtccaga gaagaggaga  480
    
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tcaccagccc aggttcgaat tgggaaggca caaacacaga cccctcacct tctgggttct 540
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<210> 1660

<211> 775

<212> DNA

<213> Homo sapiens

<400> 1660

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 tgtattcata tgaccattta ctattccgag tcaactacatg cagctaagct tacagttgct 660
 gagtataaag cactgccttg aagccctata gatggcgtaa gttctgactt ctttttacca 720
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<210> 1661

<211> 755

<212> DNA

<213> Homo sapiens

<400> 1661

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tgctgctttt tctttctttc tttttttttt aagagacgga gtcttgctgt gttgcccant 720
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<210> 1662

<211> 802

<212> DNA

<213> Homo sapiens

<400> 1662

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<210> 1663

<211> 740

<212> DNA

<213> Homo sapiens

<400> 1663

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<210> 1664

<211> 790

<212> DNA

<213> Homo sapiens

<400> 1664

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<210> 1665

<211> 756

<212> DNA

<213> Homo sapiens

<400> 1665

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<210> 1666

<211> 720

<212> DNA

<213> Homo sapiens

<400> 1666

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<210> 1667

<211> 753

<212> DNA

<213> Homo sapiens

<400> 1667

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<210> 1668

<211> 761

<212> DNA

<213> Homo sapiens

<400> 1668

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<210> 1669

<211> 773

<212> DNA

<213> Homo sapiens

<400> 1669

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<210> 1670

<211> 720

<212> DNA

<213> Homo sapiens

<400> 1670

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<210> 1671

<211> 706

<212> DNA

<213> Homo sapiens

<400> 1671

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tatagattta atttagcatt ttctcaagta ctgggctttt tttctggcag aatttttcaa	180
atagccaaaa cataattttc cctctgaata ttaaaaaaca ccaacaaaaa agatttttgc	240
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aattgctacg tgacactgac tctcatatgt atttatgttt tatcaagctt aatataggat	600
aaattgtcgt gcttagggat gtagtctcaa agagtggaaa ttcagacatt agtagaaatt	660
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<210> 1672

<211> 757

<212> DNA

<213> Homo sapiens

<400> 1672

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tagaatgaca cggcattctc ctacataaaa cattataatt ttccactac tccaaaggaa	120
tccaataaat aattttacag tgaaggggcc tggatcaaaa ctggcagtga cacctggccc	180
ctgacaagcc tgagtcacag gtccctgtgc aggtcccagc gtccagtcct ccaagaacca	240
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 acatggncag cagcccgta cagcagcact gcttcacact anggctgtgg acgttacaag 720
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<210> 1673

<211> 676

<212> DNA

<213> Homo sapiens

<400> 1673

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 aggtcatgtt gaaatctgct gtgggttggtt ctgatgtgct ttctagtatg ttctttcttt 180
 agtgggacca acagggttat aataccttcc tctgagttgg aagataggcg cttctgactt 240
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 ggactggcag atgcanatgt tgacaggaag aagacccctt gctcaaaata ctatncagt 660
 agcctnagga tatatt 676

<210> 1674

<211> 681

<212> DNA

<213> Homo sapiens

<400> 1674

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<210> 1675

<211> 546

<212> DNA

<213> Homo sapiens

<400> 1675

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aattca

546

<210> 1676

<211> 709

<212> DNA

<213> Homo sapiens

<400> 1676

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<210> 1677

<211> 753

<212> DNA

<213> Homo sapiens

<400> 1677

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gcaacaacac gaaactccgt cccaaaagaa aaaaaaaaaa aaaatcccaa ggggctgcag 120

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ctgccaaacc caataccctc tatttaaccc ctactctggt ttacaagaga aataaaagaa 180
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<210> 1678

<211> 779

<212> DNA

<213> Homo sapiens

<400> 1678

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 agatttgccc gcagtatctg tgggtctctg ggccctcccg gtgtccgtct cttccaggat 180
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 ccccatgatc cttccagct ggcatcccca ccctaagcaa ggttccctaa agagaagctt 540
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cgncctggggg cttgcgggga agaagaggag gacaaggctc tgacctgtta cttggtttca 720
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<210> 1679

<211> 837

<212> DNA

<213> Homo sapiens

<400> 1679

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<210> 1680

<211> 770

<212> DNA

<213> Homo sapiens

<400> 1680

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naaattggnt gggcattaaa aatcctgctg atggtggaac cccangtttg 770

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<210> 1681

<211> 706

<212> DNA

<213> Homo sapiens

<400> 1681

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ttgtggctcc agtgggcccc ggtgcagttt agtccctgct ctggaggcca aagtggtgaa 540
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<210> 1682

<211> 494

<212> DNA

<213> Homo sapiens

<400> 1682

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 tggccggaag cgccaaactg cgtccctgtc cgagccctgg ggatcagtca agccgaggag 420
 ttaattatgt aatgaggggg caggggggtcg aggctaata agcctcccgg ggtggggagg 480
 gagggggang. angn 494

<210> 1683

<211> 720

<212> DNA

<213> Homo sapiens

<400> 1683

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<210> 1684

<211> 756

<212> DNA

<213> Homo sapiens

<400> 1684

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756

<210> 1685

<211> 648

<212> DNA

<213> Homo sapiens

<400> 1685

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<210> 1686

<211> 805

<212> DNA

<213> Homo sapiens

<400> 1686

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 tancgtgttt gaagcccagt ntcgg 805

<210> 1687

<211> 751

<212> DNA

<213> Homo sapiens

<400> 1687

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cccaaagaat ggtgttnggt atgtnggggtg gtcccacttc gcttttggtc aatgggcttn 720
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<210> 1688

<211> 841

<212> DNA

<213> Homo sapiens

<400> 1688

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tcatagaata cagtcattgt tacttgggtt ccaatgtgta gccttgtttg gggcttgctt 180
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<210> 1689

<211> 825

<212> DNA

<213> Homo sapiens

<400> 1689

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 ctgattgagg ccaaagagca agcgatgttg ggagcttagg aaagagggtt ctggtcgagg 180
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 gctcctgtcc acaggctgat ggaggtgccc cgggcctggg agcagcacgt cttccccaga 660
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 cctccagccc cacacttctc tctcgtgggc tgnctgttcc ctgctgggcc gccactgcct 780
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<210> 1690

<211> 867

<212> DNA

<213> Homo sapiens

<400> 1690

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 taaggcagag gtttcacaag agaaacaaaa tggctaccac ccagccatt gccagaatg 180
 gtggttcaga gattttgtcc agaggagag acagtgtata agaatagagc tctgaagctc 240
 tctcaagaag aatggaattt atttgaaaca gtgtcagaaa ctcccttaa ttaaaaacaa 300
 catgaaccgt aagtcagcta gttaatcagg taattccagg ggaagacaca gctaaggagc 360

ccttctaagg tcaaaagaaa ccttaaagac tggcctcaaa aactagccct gcttggctta 420
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taacagagag atcagggaag gatggtcaaa gagactcctg tttaaaacca taccagggtg 600
tattctgcgt atgtccaagg ctgtaccctc tgaagagcaa caaatgctt cccactgcca 660
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tatgtccaag gcttgcaccc tctgaagaac aacaaaatgc ttnccactgc aagctacttc 780
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ttttgaagac accaccaaaa ccctttg 867

<210> 1691

<211> 759

<212> DNA

<213> Homo sapiens

<400> 1691

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cacacatacg tgaatgcggt cgccctgaac gtttccccac aaatccagaa ttgacagca 180
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gctttgttcc attgtgtttg gaagcccaga agccaccttg tggcttaggg tgacataggg 600
acctacacac agaggagtga acttaggggt ctagggacta tggccgggtc accggtggcc 660
aggggcagag atgagcacct gtccatgtaa gccatatgcc acccccacag ggcctggcaa 720
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<210> 1692

<211> 857

<212> DNA

<213> Homo sapiens

<400> 1692

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ttcgtgcacc atatccgacg gaaccagatc gctcgggtacc gccccgccct gcgccgccgc 180
cgccaccact cctggcctgg cctggccccg cccgacagtc cctgactccc gctcggctcc 240
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gcacacgccc gcgccgacgc ggccccgcaa gccagacctg caggtgtacc tgccgcgaca 360
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ccccttctct ataggga aaa accacttctt actcctaagg ttcagctcat ctcgtctctt 480
tccggaacct ccacctcagc gctnccaaat ctccgctgaa tgattctcac caagaactgg 540
gacgactcat aagccccag ttaagcatcg ctgtcagagt atcggggagc cagcaagaag 600
tttatctgcc ggtttgcccc accgtgctgt attttagtaa ggtgctccgc tacctagcaa 660
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atggcctttc ccacttctct gctactagag atcacactgg gtaatatatg acggcaattt 780
ttggtaacat tattactttt ttttaaaaag gtttttattt atttttgaga ctaggtctct 840
tgtnncccca gntggaa 857

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<210> 1693

<211> 785

<212> DNA

<213> Homo sapiens

<400> 1693

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 taggttatcg ttaaatccaa aaccacaaag aggacattat gttacacaaac ctggaaaata 180
 taaatggagt tttaaaagaa atatataaac taccaaaaata gacttgagga attagaaaac 240
 ctgaacaaag caataaccaa ggaaagcatt gaacaatatt attaaacaat tcgctttatg 300
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 attggtcacc aaatgaccag tgtgtttcct ctccctcaagt gcagtgtctg cttttggctt 720
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<210> 1694

<211> 861

<212> DNA

<213> Homo sapiens

<400> 1694

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 agaacgtcat ctgagtttcc tgatcacaag caggcttttc cctgagatag atccaggcat 180
 tgaatgccca gagcacattt agtatgtgca cgaatcctct agcttcctct cgcatttgta 240
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 aaggagaaaa aaaaaaatgt cataaatctt attaatacta atggcttttg gtttaccagc 780
 angaaataag taaattgctc tcattgggat aagataaacc ttttaataac cattcttata 840
 gcnctgagta gtttgaggng g 861

<210> 1695

<211> 759

<212> DNA

<213> Homo sapiens

<400> 1695

ggggggcccc cattttttgt ttaggataaa actagcctga gcactgttct actgaatctg 60
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 aatgtgttag ctagtctttt ggggtataatg tccacatctg agggatttgt cccttatctg 180
 aaaagtagat aggtggtgag ttcttcaggg acaaggattc aattttattc atacagtata 240
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 atcctaaatg tgaagtcatt tcttttcttt gttttgtttt gttttgtttt tgagacggag 480
 tctctcatta tcaccagat tggagtgcag tggcaccatc tcggctcact gcaacctcca 540
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 caccaccaca ccagctaatt tttttttttt tagttgagat gggagtttca ccatgttggc 660
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<210> 1696

<211> 851

<212> DNA

<213> Homo sapiens

<400> 1696

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gtttgggttc ctgtattttc accagaggga gttagtcctg cccagttca gctggtcctc 60
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gctgctacta aatatctacc aggagactgc ttgagagaat tgcctgatgg gtgctgagtc 180
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tcttctctaa tgtgagtgca gggccagggtg cagtggctca cgcctgacct cccaacactt 420
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cattttcctc ttcaatttaa ctgctagaaa atttaaagtc aggttggtgg cttaccagta 780
atgagagttt anagtnaagt aaactttatg acatagctta aactcttact ttctttttaa 840
ccaatntgaa t 851

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<210> 1697

<211> 851

<212> DNA

<213> Homo sapiens

<400> 1697

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gtgtaggtgc atttgtttta aaaatataac tccccattgc ctctgggata aagtcttate 60
tcagittaca tatattcttg ataacctctc caactttatg tctcaccacc cccactcact 120

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tcgtaattcg tgccttatca gaatggacct gttatactgg cagttcacca tatataccat 180
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 ctgactgngc acttactata ggaccctgac tgnctgggtc ttcctgtctc ctccagccag 780
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<210> 1698

<211> 773

<212> DNA

<213> Homo sapiens

<400> 1698

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 caacgaggcg ctctatgaca tctgcttncg actctgaact gacaacgccc acctacgggg 720
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<210> 1699

<211> 795

<212> DNA

<213> Homo sapiens

<400> 1699

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 aagctcttca gtaaaagtgg tgggtgtacta agctatattt aagaaggtaa tttgagattt 180
 tatattacat gctagtgaat catttttggg ttttgcacca gaactgagct ctttggtccc 240
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 aatttttagt tcttctaag gctctaagct agaccaatta taaattgtaa ctggtgaaaa 540
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 cagcactatg tgctaaatcc ctatacttaa gagctcttat gtattgcaga caaatgtcct 720
 cttacttggt ttggtatttt gngaaaaata atataataga gcaggcagtt anatcatatc 780
 agnttcaaatt ttaag 795

<210> 1700

<211> 801

<212> DNA

<213> Homo sapiens

<400> 1700

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gagaatcgct tcgaaccgga gangccggaa ctttgcaacc gaagcccaaa accgggccaa 780
ttgcacttnc ggncttgggc c 801

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<210> 1701

<211> 853

<212> DNA

<213> Homo sapiens

<400> 1701

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gaaagaaatc tggatgcctg gggtcctgt gttcacccct agagtttgtt ttaaaatttt 60
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tggattttca caaactgaac atacctgtgt aatcagcatc tagaccaga cccagagcat 180
cacaaatata ccccatcctg ggcttttccc agaggagatg ggggcttctg aagatggact 240
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ccccgtggcc aggggtggag gagaatatgt ggggtgtggac aggatgggag actgtggcct 360
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<210> 1702

<211> 828

<212> DNA

<213> Homo sapiens

<400> 1702

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gcaacatgaa tggaaataga gtcattatgt taaagtga aa taattcaggc ncacaaaggc 780
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<210> 1703

<211> 719

<212> DNA

<213> Homo sapiens

<400> 1703

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<210> 1704

<211> 855

<212> DNA

<213> Homo sapiens

<400> 1704

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<210> 1705

<211> 781

<212> DNA

<213> Homo sapiens

<400> 1705

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<210> 1706

<211> 817

<212> DNA

<213> Homo sapiens

<400> 1706

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 gctaattttt tgtatttttt tttagtagaga cggggtttca ctgtgttagc caggatggtc 720
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<210> 1707

<211> 852

<212> DNA

<213> Homo sapiens

<400> 1707

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<210> 1708

<211> 635

<212> DNA

<213> Homo sapiens

<400> 1708

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<210> 1709

<211> 851

<212> DNA

<213> Homo sapiens

<400> 1709

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<210> 1710

<211> 775

<212> DNA

<213> Homo sapiens

<400> 1710

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<210> 1711

<211> 816

<212> DNA

<213> Homo sapiens

<400> 1711

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<210> 1712

<211> 703

<212> DNA

<213> Homo sapiens

<400> 1712

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<210> 1713

<211> 747

<212> DNA

<213> Homo sapiens

<400> 1713

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<210> 1714

<211> 843

<212> DNA

<213> Homo sapiens

<400> 1714

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<210> 1715

<211> 840

<212> DNA

<213> Homo sapiens

<400> 1715

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<210> 1716

<211> 840

<212> DNA

<213> Homo sapiens

<400> 1716

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<210> 1717

<211> 749

<212> DNA

<213> Homo sapiens

<400> 1717

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<210> 1718

<211> 839

<212> DNA

<213> Homo sapiens

<400> 1718

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<210> 1719

<211> 844

<212> DNA

<213> Homo sapiens

<400> 1719

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<210> 1720

<211> 817

<212> DNA

<213> Homo sapiens

<400> 1720

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 aatgtggtcg agcctgcagc tactccagtt gttccagtcc ctctgcagat gggctccttt 660
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<210> 1721

<211> 834

<212> DNA

<213> Homo sapiens

<400> 1721

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ccacggccct atgttggtcc tggcctggcc agaacctgct catgatggcc tcacatcttg   180
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aaaaccttct tgcataagtg tggaaaaggc cttttgtgaa ctggtccttg tctggcttta   720
catagaacaa ggctacttaa cttcgctaaa cttnagtttc tcactctgtaa aatggggaag   780
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<210> 1722

<211> 797

<212> DNA

<213> Homo sapiens

<400> 1722

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tgggattaca ggcatgcacc accacaccca gctaattttt gtgttttttg tagagacggg   180

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 agagagtcca tggaaagaaa ccaaacctgg actgtgttga gttgatagac ttaacagggtg 720
 acactggtaa atgctactgg ggtgaattct tgngggccac tgatncaatt tgagtcaaag 780
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<210> 1723

<211> 742

<212> DNA

<213> Homo sapiens

<400> 1723

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ggatggtgac tttcaggac acgcttgtgt ctctaactg ggaggantgg gaccctgac 720
ccagcacgga nggacttttg ca 742

<210> 1724

<211> 486

<212> DNA

<213> Homo sapiens

<400> 1724

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tttttgtatt ttttgtagag atgggattnc accatgttgc ccaggctggn ctcaatccac 420
ttgcctcanc ctcccaaagt cctgggatta caggaatgag ccactgcagc tggccaaaac 480
atacat 486

<210> 1725

<211> 827

<212> DNA

<213> Homo sapiens

<400> 1725

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acacacttac ccagggccaa ggccactgcc gccctctgat aggggcagac agaacagaaa 180
gagaaatccc atctgtgatg tttgcaggag agtaactgag ttgagaaatg gtccgtgagt 240

ggctgtcacc tgccaatcag gccttttagtc cactttcagg ggggaagaga aggaaggtgg 300
gatggttaata ggtccagagc gtttatgtaa agaccctttc tcgtggaaag aaaatgtgtg 360
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aggcagagcg acagctggtg caaagaccct aaggcaggag cgtgcctgaa ggggtgtgaga 780
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<210> 1726

<211> 836

<212> DNA

<213> Homo sapiens

<400> 1726

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ggttgcccag cactggacat cttcaaagat ttttattact gtttattgct tcagggtgaaa 360
tcaacaacag ctaagaaaaa ggagaaacac attacaatgt aactagtata aacagtggaa 420
aatcactgtg gtttgaagaa acaagtttaa ctaaagaaat ctgaggtctg tgtctcctaa 480
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acttcagatc acaccttncc ttatggagat gacnaaatct gctctactgt aatgatgctg 780
gcnaagctta attggtcttc acttattcat ggctgttggt ttatcttccc acttaa 836

<210> 1727

<211> 696

<212> DNA

<213> Homo sapiens

<400> 1727

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<210> 1728

<211> 727

<212> DNA

<213> Homo sapiens

<400> 1728

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 cctccctga ccacaatttt gctcggttaa ttctacttc tcttccttgt gcaatgcggg 600
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<210> 1729

<211> 787

<212> DNA

<213> Homo sapiens

<400> 1729

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ggaagaaaaa ttagacagt cttttgaggc ttggcaagag aaacagaagg aattagaaga 660
 tnaagagaaa caaactctca aagctcagag ggatagagaa gaaaaacaat ttcaagaaga 720
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<210> 1730

<211> 740

<212> DNA

<213> Homo sapiens

<400> 1730

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<210> 1731

<211> 390

<212> DNA

<213> Homo sapiens

<400> 1731

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<210> 1732

<211> 781

<212> DNA

<213> Homo sapiens

<400> 1732

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n

781

<210> 1733

<211> 846

<212> DNA

<213> Homo sapiens

<400> 1733

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aggggatatt taacttggca nctttttaca aacccttttt tttttaaacn gggggaactn 840
ttttta 846
    
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<210> 1734

<211> 690

<212> DNA

<213> Homo sapiens

<400> 1734

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 tgagttaatt ggggttgcaa atagatcaag agcataaaac atctctgact caaatgtatt 480
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 catggtgaaa ccccgctcta ctaaaaatnc naaaaaaaaa ttagcccggg catggtggcg 660
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<210> 1735

<211> 726

<212> DNA

<213> Homo sapiens

<400> 1735

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ttacacaaaa aaataagaaa gagaaaaaaa acattgttca acatactaca gactcttctc 600
tcgaagaaaa acaaaggaca ttagactcag gcacctctga aattgtgaaa actcccagaa 660
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acngnt 726

<210> 1736

<211> 831

<212> DNA

<213> Homo sapiens

<400> 1736

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<210> 1737

<211> 774

<212> DNA

<213> Homo sapiens

<400> 1737

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<210> 1738

<211> 826

<212> DNA

<213> Homo sapiens

<400> 1738

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atgtaataac attgcattat tttgagcata gtttagaagc caagaagatg ctttcaaca 360

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gctgacataa ttcagttatg gcccagatgt cctgccttcc ccatacacaca ttcataataa 420
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 cngtaaagca ttattccttg cttggcaatg cacagagaaa aattatttgc tgaaggaccc 780
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<210> 1739

<211> 831

<212> DNA

<213> Homo sapiens

<400> 1739

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 tcgcttgaac ccaggagttg gaggttgcct gagatcacac cactgcactt cagcttgggc 720
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<210> 1740

<211> 828

<212> DNA

<213> Homo sapiens

<400> 1740

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tgacatagca atcctatfff taggtattta tccaagagaa atgaaagcat atccatacaa 180
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cagggtgaca gaaatgttct gtatcttgat atgggtgggtg aaaagtgagg tataatffat 600
atacagtaaa atgcacaagt cttaaagtga caactcaatt aatffffacg tatgtataca 660
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gcaccttatt gaatcaatac ctagtccctc ggangaacc attattctga tttctacccc 780
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```

<210> 1741

<211> 769

<212> DNA

<213> Homo sapiens

<400> 1741

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 cagtcctctc atncttccaa ctctaangac ttcgtcttca ttcctcttag ggtaccttg 720
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<210> 1742

<211> 713

<212> DNA

<213> Homo sapiens

<400> 1742

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 cgtattctgg aaaaggcaaa gctgtggaga cagtcaaaag atcaggagtt gccaggggtt 180
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 gtaccacact aatgcaatag taggaaaaac tgtccaatct aaacactggg caaaggattt 540
 taaaagatat ttcacaaagg aagatatgaa aatggcaaat cagcatgtga aaagatggtt 600

aatatctttt tttttttttt tttagagtctc tctgtttgcct aggctggagt gcaatggcat 660
gattgccgcc cgctgcgacc tctgcctctc aaggnttncg gcatntcgtg cct 713

<210> 1743

<211> 827

<212> DNA

<213> Homo sapiens

<400> 1743

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aggggattgc cccggaagag ggaggcgtgg acgcgaagga cacgtctgcc acatcccagt 180
cagttaatgg atcaccccaa gcggaacaac cttcattgga atctacaagc aaagaagcct 240
tctttagcag agtggaacaa ttttcttctt tgaaatgggc aggttaagccc tttagactgt 300
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<210> 1744

<211> 663

<212> DNA

<213> Homo sapiens

<400> 1744

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attatatgtc atgaaactgg ctcccttctg catgacctct aaagtaacta ctcccagtgc 180
tgagtagaag gacactgtaa ataggacaaa gaaagtcttg atgtggtgtc ggaggctaata 240
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caagagaaat gtttgggggc caggcacagt ggctcacacc tgtaatcca gcacittggg 360
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taaaaacaaa naanagaaaa aaaaaagttt aggttctcag ccatccctg agctttangc 660
tca 663

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<210> 1745

<211> 586

<212> DNA

<213> Homo sapiens

<400> 1745

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gagccttgaa ttcttgggct ctagcaatcc tctcgcctca gcctcctggg tagctaggac 180
tgcaggcaca ggccaccatt cccagctaata ttaaaaaatt attttttttg tagacacagg 240
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gtcagagata atccaatgtg agctcttaata gatacagatt aatgaagtat caaaagatga 420
gaggatatcta aaattcacia aacttggttag taacagaacg agtattagaa ccagctatct 480
aactcttagt ccagtgggtg cctgtatcat acggtttctt agaaaataga tgtttccang 540

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ccaggtccgg nggctcacgc ttgnaatctg agcacttgga gaggcc

586

<210> 1746

<211> 711

<212> DNA

<213> Homo sapiens

<400> 1746

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 ttccgaactg gagtgaaggt cactcttggc tgtgcttttag caaagagagt ggtggcattg 120
 tgcccctgct ctagagatct gtgaactctg aactcgagag ggtatctggc agaaaaaatt 180
 tctaagcagc aaagtgttca agatgtggcc tgattgcttc taaaagccta tgctcatttg 240
 catgaacaaa gtggaactta tatttaaaac agaagctgag cttttataaa agtttggaga 300
 atttgcagcc caaccatgtg gtgaaaaaga aaaatccatt ttctggggag gaattcaagg 360
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 cttgggctgc tgcttcagag ggtgcaagcc ccaagccttg gtggcttcca tgtggtgtta 660
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<210> 1747

<211> 550

<212> DNA

<213> Homo sapiens

<400> 1747

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agagacagtt tactgataga ctgtggtaaa ttctgtatgg agatatacag acaacagaag 180
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<210> 1748

<211> 802

<212> DNA

<213> Homo sapiens

<400> 1748

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<210> 1749

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1749

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taaataataa accaaataag gccaggctca ggggctcacg cttgtaatcc cagcactttg 180
gaaggctgaa gcgggtagat cacctgaggc caggagtctg aaaccagcct ggccaacatg 240
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caaaaaaaaa aaaaaaacta aaaattctta gaggaaaaca ggccttaatt tgtgtgactc 480
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aataaaaaga cnaattaccn ggnnttaaaaa tg 752

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<210> 1750

<211> 700

<212> DNA

<213> Homo sapiens

<400> 1750

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tggtttgagg tccgtagttg agaccagcct ggccaacatg gtgaagcctg gtctctacaa 60
aaaataataa caaaaattag ccgggtgtgg tggctcgtgc ctgtggtccc agctgctccg 120

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gtggctgagg cgggaggatc tcttgagctt aggccttttg gctatcatgg cgccagtgc 180
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<210> 1751

<211> 849

<212> DNA

<213> Homo sapiens

<400> 1751

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aaattagttt cagatggatt aaagacttaa atgtaaaacc caaaactntt aaatccctag 780
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cccaaatacn 849

<210> 1752

<211> 723

<212> DNA

<213> Homo sapiens

<400> 1752

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aatacattac ataaaagcag tgctggagcc tctatggctt anggtcangg ctttaagtaag 660
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gta 723

<210> 1753

<211> 706

<212> DNA

<213> Homo sapiens

<400> 1753

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gggaagaggc aagtggcttt ccctgactgg catcagactc ctggatggct gtgtttctgc	180
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<210> 1754

<211> 761

<212> DNA

<213> Homo sapiens

<400> 1754

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ggctaggagt acagtctgct tagatctttt agtttttttt ccttcaaaaag ccaatagact	540

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gaatcaatga ttcttggtac cttcaatgta cctaccacac tactcatgaa aaaagcttta 720
aaaattaatg gnaaattggt gggncctggaa attctggcng g 761

<210> 1755

<211> 774

<212> DNA

<213> Homo sapiens

<400> 1755

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<210> 1756

<211> 604

<212> DNA

<213> Homo sapiens

<400> 1756

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 ttcaggtgtt tgtctatagt aacctcttca gtccctgaat cctgcacctt ncgttnttct 540
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<210> 1757

<211> 831

<212> DNA

<213> Homo sapiens

<400> 1757

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<210> 1758

<211> 811

<212> DNA

<213> Homo sapiens

<400> 1758

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 tcctagagaa aatctctttc aaaaacaaag ggggtgaattg aaaattaaaa agctagtgtt 180
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 ccttatgttc ccagcccagg attcaaaactg ggcttcatgc anaatgggcc ctctaattgga 780
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<210> 1759

<211> 745

<212> DNA

<213> Homo sapiens

<400> 1759

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gttctgtggg tatgtgaatg tcaggttggc aggggtgcagc tgtgtggntc cagatgacca 660
gaagccacaa gcggttgctg cttctctctt gggattgggt ggggagtgaa aggcanaccc 720
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<210> 1760

<211> 836

<212> DNA

<213> Homo sapiens

<400> 1760

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<210> 1761

<211> 800

<212> DNA

<213> Homo sapiens

<400> 1761

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tgctgtcgtg. cccaaggcac

800

<210> 1762

<211> 747

<212> DNA

<213> Homo sapiens

<400> 1762

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gttgccagca ggccgaccac tcaagaggcc gtctacatca atgcagtcna aggctatgct 720
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<210> 1763

<211> 682

<212> DNA

<213> Homo sapiens

<400> 1763

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 agattgctct acttctntt gcagaaaacc tgctaaaccc ctgggggtta ngagagcttt 660
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<210> 1764

<211> 799

<212> DNA

<213> Homo sapiens

<400> 1764

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 taacctactg acatttgaac taaaaagcaa agatgttcag attttcctga aggatcaagt 180
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gttacaagat gatcatcccc agagcacata gccgtcagac tttncagggt caataccaaa 720
gaaagaatct taaagaccgc tngagaaagg gtcataact catcatgcta cagcagactt 780
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<210> 1765

<211> 761

<212> DNA

<213> Homo sapiens

<400> 1765

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<210> 1766

<211> 823

<212> DNA

<213> Homo sapiens

<400> 1766

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gctaggtttt aaacataatt tctaagaata taaaaattta atcaccacca tctttataat	180
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<210> 1767

<211> 782

<212> DNA

<213> Homo sapiens

<400> 1767

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<210> 1768

<211> 806

<212> DNA

<213> Homo sapiens

<400> 1768

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<210> 1769

<211> 728

<212> DNA

<213> Homo sapiens

<400> 1769

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gtagaaac 728
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<210> 1770

<211> 794

<212> DNA

<213> Homo sapiens

<400> 1770

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<210> 1771

<211> 807

<212> DNA

<213> Homo sapiens

<400> 1771

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aggagcggct caacatcaac actgncacgg aggaagaact gatgaccct gcctggggtg 780
accctgccct ggcaccaaca tcnggaa 807

<210> 1772

<211> 760

<212> DNA

<213> Homo sapiens

<400> 1772

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gaggacgtga ccctggagca cctgcccag agcgtgctcc aggatgtcat tcgcatctcc 660
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<210> 1773

<211> 842

<212> DNA

<213> Homo sapiens

<400> 1773

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cttgtttaga tgagattcca gcatgactcc ttgttaattt ttcataattt tgctattaca	180
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agcagtttgg gggcttccat ctaatgtaaa ggtaagtaa tgtaagtcac atcttggggc	780
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ta	842

<210> 1774

<211> 848

<212> DNA

<213> Homo sapiens

<400> 1774

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gatggcagta ggtggaggat ctcggatgac agacctact tccagcattc ccaaactctt	180
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caagatgaaa atgaagccag atattgtgtg tattcctgat gacgctgaca tggaactgc	360

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 tgaaaaaata catcgtggat ttcctaattg aaaatgggtc aataacttct atccggagt 780
 aactgattcc atatttagtg agaaaacagt tttcttnact ttcttacaac agggacaaga 840
 agaaaaag 848

<210> 1775

<211> 691

<212> DNA

<213> Homo sapiens

<400> 1775

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 agggggaggc ccagcccacc atcctgcccc gtgggattag ctatatacct ctgcccctgg 180
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 tgggatcaga agctttcang tttggtaggg ccaacctttt gggctcttgg ctctcaagct 660
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<210> 1776

<211> 663

<212> DNA

<213> Homo sapiens

<400> 1776

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tggggacatt gtcttccgtt tcagtcctga cgtccaccct gtgcacctgc gtgatcgcca 120
gccctgcctg gtccctcctc tgcgggctct ccctctccac tccctcctct gggagctctg 180
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tgt 663

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<210> 1777

<211> 658

<212> DNA

<213> Homo sapiens

<400> 1777

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ttaagattga aataagattc ataaaatcac tattaatcaa tgtctcttaa gccttttttt 180
aatctatggg ctacatctca tttttcttat ctttcttctt gcaatttttg gttgaagaaa 240

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<210> 1778

<211> 604

<212> DNA

<213> Homo sapiens

<400> 1778

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<210> 1779

<211> 638

<212> DNA

<213> Homo sapiens

<400> 1779

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caaatgcagt gttcttaaca cttcttataa cgttcagaaa ccaccagata gagagaatgc 540
tgtctgtcct taatgcaagc agcccttgga attgggttcta gagctgcatg agctgccgat 600
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<210> 1780

<211> 654

<212> DNA

<213> Homo sapiens

<400> 1780

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agtaaacagg gtgacatcat attacttaag ctccaggact agtcaagggc tctctcatcc 480

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tcctaaattt cactgnctta ctactctttg gttgatggct ttgcagaaga ccccaacaat 540
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<210> 1781

<211> 678

<212> DNA

<213> Homo sapiens

● <400> 1781

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cattttgata aacctgnt 678

<210> 1782

<211> 782

<212> DNA

<213> Homo sapiens

<400> 1782

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gc 782

<210> 1783

<211> 739

<212> DNA

<213> Homo sapiens

<400> 1783

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<210> 1784

<211> 669

<212> DNA

<213> Homo sapiens

<400> 1784

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<210> 1785

<211> 785

<212> DNA

<213> Homo sapiens

<400> 1785

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atgat 785
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<210> 1786

<211> 639

<212> DNA

<213> Homo sapiens

<400> 1786

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<210> 1787

<211> 468

<212> DNA

<213> Homo sapiens

<400> 1787

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<210> 1788

<211> 742

<212> DNA

<213> Homo sapiens

<400> 1788

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cactctgccc ccacaggaa cctgcttgta cgtgtacccc gcacagcctc aacttcagca 660
agccgccang gcttcgtgcg caaccttgct gtgccagtgc agtacatgac aggcgangac 720
ccanccagg ctcttgccgg ca 742

<210> 1789

<211> 770

<212> DNA

<213> Homo sapiens

<400> 1789

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tgtttgaaca ctcttccat tcatagcatg tgctcatcaa aaagtgttt ccgtttctgg 600
natgtcaact gtactattta taacctagtt aacaaagccc acatgngaa accttatctc 660

tactaaaagt gcaaaaatta gccaggcatc atggcacatg cctgtaatcc cagctaccca 720
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<210> 1790

<211> 819

<212> DNA

<213> Homo sapiens

<400> 1790

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ttaaaaatgt aattaattgc ttaacagtta tatcttgtga aaacaatgtg gaaatctttt 180
tacattttta atttttggtt caaacaacc taactaatca aagagcagcc acaaaaatcc 240
tcaaaatgca aattagacac aataatgtac agctaccaat tacagatttt agtgtttttg 300
tattccacag caacaactg ccaagtctta aaaaaaaga agtcaactaa agcattctgt 360
tgttccctga gctctactgt atattctact ggaagatttt aagctctgtc atggacatat 420
gactagaatc acaaattttt taaaaagtgt tcagacaagg caaatatcta actatgagct 480
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acataagctt tttatacaga tctgagattg tatctaataa gatgactaga gtcatgacca 660
tttagttaat ctaaaaatg aatagatttt taaaaaatta atttcagtgg tcttttatgg 720
tatagagtgg atggagtcta acaaaatttt aaaatcttgg caccaaaaaa ngattcccga 780
aaaagatttt ggcataatgg ntntaataat taatcctct 819

<210> 1791

<211> 785

<212> DNA

<213> Homo sapiens

<400> 1791

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ctacttacat caccaaacac tcacacagtc tgattataaa atattgagac tgacagtcac	180
atagaaccag ttccataacc tcattaccat gtacacccag ctccagactg ctccagactg	240
caaacccttt gagggttccg gcctggcctt tctttatatt tggggaaatg ttagagaaaa	300
cagcatctaa aactggaaac cttgacttaa attagccatt tcttctcatc ctaaattgag	360
agacatgagt tctaaatggc agagaccatt tataggagaa tgccaaagag agcagaagag	420
aatgggaagc ctttcccaca gcagaaactt tccacagcag agacaataga ctgatcccta	480
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ctggacagag tgccatttac ttctgtgcca ttccatactg gggctttgca cagaatagga	600
aatgcattgt ctaggttcct ctagacctct aggttccctt ctattctcag aagaaactta	660
agttatgctt gagtataact tgagtagggg ccaggtaggg gcagcattgt gggattcagc	720
cnccaatggt gtgattcaat ctggccctnt ggggnctttg ggttcatttt aacgggcatt	780
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<210> 1792

<211> 746

<212> DNA

<213> Homo sapiens

<400> 1792

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agctcagagt taaccattgt gccctaagc ctaacagcag ctggagctga tagcctttca	120
cagggcctgc cagcagcctt ggagaaacca cgagccatt taacaggcag gacgctgagg	180
ctctgataac aagtgcggtt tcggacaaga gcgggagagg agatggagaa acagaccctc	240
gtgcgtggct ggtggggatg gaacaaggcc cagcctggca gcttctcaca tggtaaacac	300
ggaattacca tagggcccag caatcccact cctggggata gacccacag aactgacagc	360
agggactgaa agaggtgttt gcacacacaa gtgcacagcg gcatgattcc caacagcccc	420

agggtggaag ccaccccagg cgcccatcag tggataaaca cagcatggtc caaccagaca 480
 gtggaatatt acgcagccat gaaaaggaag ggaatccaga cacgggctac agcgtggatg 540
 aaccttgagg acctcacgct cagtgaagg atccagacac aaaaggacgt atcctgtgtg 600
 atcccactcc tgggaagtcc ctagagtcgt cagattcaca gagacaggaa ataggatgag 660
 tgagtgccaa gggctgggga gggggacagg gantgagtgt ttcattgggga cagantttca 720
 gtttgggaan aaggaaaagt tctgga 746

<210> 1793

<211> 728

<212> DNA

<213> Homo sapiens

<400> 1793

ctgttagtaa agtgcttaga acagtgtga actttagtc aatcctgtgt aagtttttgt 60
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 gaggccgagg cgggcagatc acgcggtcag gagttcaaga ccggcctggc caacatactg 180
 aaaccccgtc tctacaaaa atacaaaaaa attagccggg tgtggtggca gatgcctata 240
 atcccagcta cttgggaggc tggggtagga gaattgctag aaccaggag gtggaggttg 300
 cagtgaacca agatcatgcc attgcactcc agcccaggcg acagtacgag actccgtctc 360
 aaaaaaaaaa aaaaaaaaaa gaaaaccata cattccaaa atagcgattg agcattagct 420
 ctgtgctagg ggctgggaac accaaggaga agcaccacc cctgtctaga tgggtttgat 480
 gggatgccag ggaagacttg gcggaggggg tgatgccac acggtatcct gaaggaggaa 540
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 tagcaagtgc aaaggcctgg gggtcagaga gagcaggatg catttgaaga gctgtctaca 660
 tggntggagc acagcacagg aagagttcat actncacctg ttigtgtgcc atgtgtccat 720
 ccttncat 728

<210> 1794

<211> 721

<212> DNA

<213> Homo sapiens

<400> 1794

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cacagccaga aacagaagtc caaaaggaaa gaaaagccac tggagagcag attgaggaaa 60
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ttccttcctt aaatatcact gtcaccaagc tgggcacctc aaactcctaa ctgcttcaca 180
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ggagctcgcc aggcccatgc caaccacata gatcatgctg gaccatacca tgtccaggac 300
catgggatgg ctggttggag aatgggccct ggaaccaca cacaagcaca gcttggctgg 360
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aggatgtaga cactgtagga gttgtaggtg actgggcatg gctgtgtctt tagcatcttt 480
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acaaggggga agacatgagc aatcagacca tcaatacagg gtgatctgtt caacaactga 660
ggggtttatg gcagctctgg ggaagcctgg ccttcangag atgctncttc ctgangcttg 720
g 721

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<210> 1795

<211> 853

<212> DNA

<213> Homo sapiens

<400> 1795

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attcagtggg aacactagct ctcctttaaa tcctttctaa atagatgtgg aatttccagg 60
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atttgaata agcatgaact ttggagccag acatctggat taagatatta gctatactgc 180
taatacactg acttaccttg gacaggtttc ttaccgtgtc tttaaagcag ggataataat 240
acacacctta ttgggttagt gtgcagatat aaggagatga tccatgtaaa gtcccaagta 300

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taatgccagg aagttagtag gtgattatta aaagttagtc attatTTTTg tgtctctctt 360
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 cttctacaat gagggtgcca acatgtgttc ctgagtcac ttatcgatcat caccattgct 480
 gccaaagcaa ttgttatggc ttgttagcc tccccattta atttagcaaa tactgaactc 540
 cttaaaccaa gctttagttc tttcttccct taagatgaat ttgttaatct taaccctaag 600
 atcatatgga attaaaaaag agcccaaata gccaaagcag tcctgagtga aaagaataaa 660
 actggaggca ttacactacc tgacttcaaa atatattgca aggctatagt aaccaaaca 720
 gcatgtata aaaacagacc cataggccaa cggaacagaa cagagaacct atnaataaat 780
 ccatatattt gcagccagct gattttcanc aaaagggcc agaacatacc ctgggggaan 840
 ggacccccctt ttt 853

<210> 1796

<211> 681

<212> DNA

<213> Homo sapiens

<400> 1796

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 ctctgcgtct cctagctctg atctccaggc taccctgtg attccgcgca gaggtacctc 180
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 ccagactagc ggagctggac gccggggcga gcacggggag gggcgaccg agggaggaga 480
 caaacttaac tctggggccg ggattccgag gcgggggccc cagccctcga ggcccgaagc 540
 caccgcttcc tccccgctt ccattcagg tgggcgcaa cggcgggagc gaggggtgtc 600
 aggccgncgg gctgcaggtc cgagcacgca cagggagaac tctgccagt gttcncggg 660
 cgctgtantc cccgggatct a 681

<210> 1797

<211> 717

<212> DNA

<213> Homo sapiens

<400> 1797

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tgctgcagcc acaacaagt ccaccaccag ggccttcca gctgccagt caggctttcc 60
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agccagggca gcgatgatga ccgtaatgaa aagtgggatg acagctccac actggtggat 180
gagttgagaa caccaggcag aggcatgtac ctggtctttg atggttcagt ggacctgcac 240
taccattgca gtgcaaagt caagagttga agcttggaac ccttcaccta gatttaggaa 300
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aggctttggg agcccacccc ttgtaccagc acgcccctga tgtgggatag gaggtcaaan 660
gaagttatit tggagcttta agattaatga ctgctctgct tggnttttgg acttgng 717

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<210> 1798

<211> 636

<212> DNA

<213> Homo sapiens

<400> 1798

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aaaaagcgtc caggtttggt gacgcacaac tgtagtctga gctacttggg aggcctgagg 60
caggaggatc acttcagcct aggagttaaa ggccagcctg ggcaacatag caagaccct 120
atttcacac aaaacaaata cataaattct agaagatgat ctcgaatagt ttttaaagtt 180

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aaaatagcca cttaaatagg attgttgagg ctatccgtat ggccacaatt atgactgagg 240
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 gcattttttt ggtaaagaat cctgcctgtg aacatttttt aatgaaaggt ataggtagaa 360
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 cttttcattt gaaacataag agggcagctt tgatgtgtgt gcaaggcggg gcttcttgac 480
 aacgtcggga gtgtgcttgt ggagcttact acctcgagag gtgatgcagg cacaaaataa 540
 aaggccccgag aagggttga gatgtccata tgtgacagct ctctctcca tggctgctgc 600
 angcggctct gggtgtttgg ntaccaccgt naccct 636

<210> 1799

<211> 723

<212> DNA

<213> Homo sapiens

<400> 1799

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 cctacaaaga gcttttgggg ctttgacatn taccaccctt cttcctttta aaaaatttct 720
 tta 723

<210> 1800

<211> 805

<212> DNA

<213> Homo sapiens

<400> 1800

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aataaacata ataaatagta aatgacatgg tatgtaggaa agtgataagt gttatgggaa 360
aatcagaggg aaaggggggtt agtgagtgtt gagggaatgt gggttgccat tgaaatggag 420
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gnctcatatg atcnttaatt atccttcagt aaactagcct ggacctggtc tcttggcaca 780
ataggactnc tgaggtttgg gctca 805
    
```

<210> 1801

<211> 781

<212> DNA

<213> Homo sapiens

<400> 1801

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gaaaaacaat gtttttagag acagggtgtt gctacgttgc ccaggctgga ctcaaactcc 60
tgggctcaag cgatcctcct gcctcagcct cctcagtagc tgggaatgat aggcgctgc 120
    
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catcatgcct gtatgaagt gaaatgaaag gctggtataa gctgtaaagt ctttttgttc 180
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 aaatgtgacc gctagtggac agcantggca gcccanttgg atggcagagc ctggcatgcc 720
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 g 781

<210> 1802

<211> 420

<212> DNA

<213> Homo sapiens

<400> 1802

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 caaaacatag gatgttgtcg ggcatggtgg ctcacgcatg tgatcccagt gctttgggag 180
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 ccaactactc gggaggctga gacagaaaaa tcgcttgaac ccaggaggcg gaggttgcac 360
 taagccaaga ttgtaccgct aactccagt ctgggtgaca gagctanact cctntcaaa 420

<210> 1803

<211> 697

<212> DNA

<213> Homo sapiens

<400> 1803

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gttgtaaaa tgatttcttt tggtagagt ctgattcttt ttatgattgt ttcatataga 120
taagaacaga ctacaaaaaa atatgccttt caatcctgaa gagtaacctg aactatacac 180
tagttttgtg ctttaatttt catttgtaat ctgccttcaa taaagagtta agctagtgga 240
atztatgtct tagcttgta taacacaaac acgaatattt gtctgcttgg cattaaaggg 300
taaagatatt ccatagctgg gaatcttaat ctgaggtacg tgtaaacatt cagggactat 360
atgatctctg agaatttgta tgttgtaagt ctttgtagca gtgtatacat ttgtgttgca 420
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tattataccg tntcatttca cancanaaaa ccactgc 697

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<210> 1804

<211> 750

<212> DNA

<213> Homo sapiens

<400> 1804

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tttttctatg cgatgttaag ttttgaggga actagaaatg tttgaccaga ggcaccaca 60
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ggctactaga gctgccaac tgtggaacag gctacctgaa taggtactga gcacctcatc 240
ccgggaggca ttcaagtaga ctctggctga ctgccttgat gacagtgttg gatgagaagc 300
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aaaagaggtt taattggctc atggttctgc aggctgtata ggaagcatgg ctggggaggg 420
cacaggaatc ttacaatcat ggtagaaggc gaaggggaag caagtacctc ttacatggct 480
ggtgcaagag gaaaagagag aggggggaagg tgctacacgc ctttaaaca ccagatctcg 540
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acccctgtgg tgcaatcacc ttccaccagg ccccaccttc aacattaggg atcacaattt 660
gacatgagat ttgggtgggg accccaaatc caaacatat canaagctgc ttttactgaa 720
anggccttcc agtcanaaaa ctggattggc 750

<210> 1805

<211> 782

<212> DNA

<213> Homo sapiens

<400> 1805

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tatatgtaat taaggctgtg gaacaaaatt tggggtaaag tagcctgtag aatgcagatc 180
acgtaaaata ttaaatttga cacacagaaa accaaaagta aattccctag aaaagacatg 240
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tagtaaattg gttgcatatt caggaaggta aaaggaagac aatgggtggt taaagaaaaa 720
atggaggggg gattncctta attgggtttt gnaaataant attccttggc ctattaaggg 780
at 782

<210> 1806

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1806

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cagctggaaa atgctttttt agaatggcct tcctaaaaaa cgagcgagtg gatgctgccc 180
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cctgtctcta caaaaaacca caaaaattgg ccaggcatgg tgggcacgtg tctgtagtcc 660
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<210> 1807

<211> 760

<212> DNA

<213> Homo sapiens

<400> 1807

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gaggtgatgg caggaaagg aaagagggga aagatggatt tttctgataa tatttggtta 180

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aaagttagta tcatctccta aaaatatata actgaaagga agcaaggagg atggagttaa 240
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<210> 1808

<211> 730

<212> DNA

<213> Homo sapiens

<400> 1808

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730

<210> 1809

<211> 783

<212> DNA

<213> Homo sapiens

<400> 1809

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 cttttaaaaa tcaaagttca aacttacagg gtacttagag atttaaaagg gaacaagtca 180
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 aatatgtttc ctttaatcca gatattcatc agttttgaag cacatcataa tcctttaaaa 720
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<210> 1810

<211> 894

<212> DNA

<213> Homo sapiens

<400> 1810

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<210> 1811

<211> 885

<212> DNA

<213> Homo sapiens

<400> 1811

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 tttaactaaaa ctgtcttcac tgtgtggagc ttacttcttt gtgaagcttg gtgtttcatt 180
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 ccagtaatac ccatccatgt gcccaangcct cgaatcatgg accccaagag cccacttggg 780
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<210> 1812

<211> 722

<212> DNA

<213> Homo sapiens

<400> 1812

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<210> 1813

<211> 832

<212> DNA

<213> Homo sapiens

<400> 1813

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tacgtattac atttctgtag catttaaact ttgatgaat actttcccct ggtactattt 180
cttgatact cacagaaacc ctacaaatta agtaatgtcc atcttttcca gatagtgaat 240
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<210> 1814

<211> 833

<212> DNA

<213> Homo sapiens

<400> 1814

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ctgaatctga acgggttcac taaatataat aacaaaagga aatatttggt tccccttgat 180
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<210> 1815

<211> 757

<212> DNA

<213> Homo sapiens

<400> 1815

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cctaggaaga gaatcatctg tcaaatgggc gttgaacttg atctatctga ggccggggcc 720
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<210> 1816

<211> 783

<212> DNA

<213> Homo sapiens

<400> 1816

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ctt 783

<210> 1817

<211> 899

<212> DNA

<213> Homo sapiens

<400> 1817

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aggaaagcac agtaataaat tgcctactgt tgcctaccac aataatgaaa gtctgaaata	180
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<210> 1818

<211> 903

<212> DNA

<213> Homo sapiens

<400> 1818

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<210> 1819

<211> 843

<212> DNA

<213> Homo sapiens

<400> 1819

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<210> 1820

<211> 765

<212> DNA

<213> Homo sapiens

<400> 1820

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<210> 1821

<211> 790

<212> DNA

<213> Homo sapiens

<400> 1821

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<210> 1822

<211> 717

<212> DNA

<213> Homo sapiens

<400> 1822

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<210> 1823

<211> 848

<212> DNA

<213> Homo sapiens

<400> 1823

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<210> 1824

<211> 697

<212> DNA

<213> Homo sapiens

<400> 1824

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<210> 1825

<211> 835

<212> DNA

<213> Homo sapiens

<400> 1825

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<210> 1826

<211> 813

<212> DNA

<213> Homo sapiens

<400> 1826

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 gctaacatag attgctaaaa acttcaggga acggaaagat ttcttataaac taaacagtgg 180
 aacaatggta tatttaacta cattaaaact aaaactttaa ttgtgcaaga catcatttga 240
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gaaactgggg attcttggtg cctgggaagg tggtaggggc tttttncag gttacattgg 780
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<210> 1827

<211> 804

<212> DNA

<213> Homo sapiens

<400> 1827

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<210> 1828

<211> 776

<212> DNA

<213> Homo sapiens

<400> 1828

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<210> 1829

<211> 777

<212> DNA

<213> Homo sapiens

<400> 1829

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cagncatttt caactctcca gttccttttg gtatatctct ctaaataata agcctctttt 660
gctttacagt gtttggtatt atttattaac ttcactcctt taaatagggg tcgttttttg 720
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<210> 1830

<211> 681

<212> DNA

<213> Homo sapiens

<400> 1830

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atgcagaggg ccagaggagg tcttgcatc atctacatac ttccctgcga gttcttggtt 180
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aacggtgcna agaataatgg g 681

<210> 1831

<211> 633

<212> DNA

<213> Homo sapiens

<400> 1831

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cgtctccacc tgatagggt gatccaagt tttctgggtg gtggnnttcc aacttggtt	600
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<210> 1832

<211> 745

<212> DNA

<213> Homo sapiens

<400> 1832

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 caataatacc aaagctaact tctatcactg tgagttgtgt gccangccct gggttcactg 660
 gcttctgagt ggtatctctt ttaatctctg cccaactctg tgggggnaac actgggggta 720
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<210> 1833

<211> 664

<212> DNA

<213> Homo sapiens

<400> 1833

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<210> 1834

<211> 759

<212> DNA

<213> Homo sapiens

<400> 1834

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 tgctccttca ttcccaagaa gaaaagacca gtctggtctt tcaaaactna gaccnacttg 720
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<210> 1835

<211> 789

<212> DNA

<213> Homo sapiens

<400> 1835

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<210> 1836

<211> 720

<212> DNA

<213> Homo sapiens

<400> 1836

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<210> 1837

<211> 795

<212> DNA

<213> Homo sapiens

<400> 1837

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<210> 1838

<211> 777

<212> DNA

<213> Homo sapiens

<400> 1838

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<210> 1839

<211> 698

<212> DNA

<213> Homo sapiens.

<400> 1839

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<210> 1840

<211> 464

<212> DNA

<213> Homo sapiens

<400> 1840

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<210> 1841

<211> 639

<212> DNA

<213> Homo sapiens

<400> 1841

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aaggaagcca nagagaggcc ccggangttt ccccttnga 639

<210> 1842

<211> 739

<212> DNA

<213> Homo sapiens

<400> 1842

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ctgtgagacg tcctgccaca cccacanga gacggagcag tgggcatttg gaaccaattc 660
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<210> 1843

<211> 642

<212> DNA

<213> Homo sapiens

<400> 1843

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 aatgctgggc actactgggc atatattttt gatcatcgtg aaagcagatg gatgaagtac 540
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<210> 1844

<211> 815

<212> DNA

<213> Homo sapiens

<400> 1844

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 ttncaaaagt ggtcagtaaa gggacccgac cttgggcctn ggggaaaacg tttacattt 780
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<210> 1845

<211> 663

<212> DNA

<213> Homo sapiens

<400> 1845

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 ctgggtgaca gaagaaaaaa caaacaacaa aaaaaccctt acaactccat agctcttcaa 240
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 caaacacaca ctacacaca cacacacaca cactctctct ctctgtccca tacccttccc 540
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<210> 1846

<211> 819

<212> DNA

<213> Homo sapiens

<400> 1846

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 ctcaggtata agttaaaatg agtgattcag actcttttgc tgtagggttg tatattaagt 180
 gactgaaggg atgggctgag gtcattcaat aagagtgtgg aagggccttc aactgacctt 240
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<210> 1847

<211> 833

<212> DNA

<213> Homo sapiens

<400> 1847

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<210> 1848

<211> 820

<212> DNA

<213> Homo sapiens

<400> 1848

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<210> 1849

<211> 785

<212> DNA

<213> Homo sapiens

<400> 1849

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<210> 1850

<211> 806

<212> DNA

<213> Homo sapiens

<400> 1850

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agcccttaat aatcagggtc agagaccagt tagaagtgtt cagtgtggaa aacgggaaac 180

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caaaagcccc tctgaatcct acccaccgag gttctcccca gccaaaggcga ggcgggccgca 240
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<210> 1851

<211> 725

<212> DNA

<213> Homo sapiens

<400> 1851

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<210> 1852

<211> 837

<212> DNA

<213> Homo sapiens

<400> 1852

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<210> 1853

<211> 803

<212> DNA

<213> Homo sapiens

<400> 1853

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<210> 1854

<211> 797

<212> DNA

<213> Homo sapiens

<400> 1854

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<210> 1855

<211> 791

<212> DNA

<213> Homo sapiens

<400> 1855

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<210> 1856

<211> 780

<212> DNA

<213> Homo sapiens

<400> 1856

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taatgtcctg gtggttgaac caacactcgt tctttgcat tcctgggcag gtgcttggag 660
aangctggtg agctgtcatg ttttttgaag aatggtgcat cagtagcaca agggtttccc 720
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<210> 1857

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1857

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caggtttact gcgaggaaat gcgtgaagag cggcaagacc gactgaaatt tattgacaaa 180

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cagctggagc tcttggctca agactataag ctgcgaatta agcagattac ggaggaagtg 240
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 gattaccaga tggacttcca ccttctcca gtagtcctca gggtttataa gaatgagctg 360
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 accaactccc tgcagaccat gcagcaggac atgatagatg gcttgaaacc cctccttcct 480
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 gacctaaact gtgacaagct gtgtgctgac ttccaggaag acattgagtt ccatttctct 600
 ctcggatgga ccatgctggt gaataggttc ctgggcccc aagaacagccc gtcgggcctt 660
 gatgggctac aatgaccngg tccagcgctc atccttntga cgccagccaa ccccagcatg 720
 cccccactgg cacanggctc gctcaccag ga 752

<210> 1858

<211> 810

<212> DNA

<213> Homo sapiens

<400> 1858

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 ctattttgtc tttagtttct ttctttcttt atttaagatg gactcctact gtgttgccca 180
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 ggggtgcgct caggccgcta gggatacctc aaggcggaca aaaggcccat gaggggaagg 480
 tgaggtttga gggaggatag gtgaggcacc tgtggcagaa aaaaaaaaaa acgcgccacg 540
 gagaaggggg gcctgggtcc cccacacacg aaagtttctt cccatcagcc cctgcgctgg 600
 gccccgtgga ccctggcnac actggttga gcacagggtg agcctcgggc ctgatagggg 660
 taccccaagg agggcanaaa gcccatgagg ggaaggtgan gcacctgggg cagagaaaaa 720

aaaaaacccgc gccgtggaaa aaccggggcc tgggtccccc acgggccaaa attgccttcc 780
catnaggccc ttngccttg gcccttgngg 810

<210> 1859

<211> 785

<212> DNA

<213> Homo sapiens

<400> 1859

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ttagataagt aaatttcaga tactactttt agcagaacac attttttaat gtgttggtta 180
taaagtgatc tgtaggtaaa ggaatctgaa aaagcaaagc ctcattgtgtt agaatgagt 240
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gttttggtat cataggtttg aaatgtaagt aagcggctca gaatgacctg gttctttag 480
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cggaatattt gcattatatt taccagttca gcatccaaaa tccaaaaatc tgaaatctga 600
aatgcatcag tgagcatttc cttcaagtat catgcagatt ttggagactt ttgatttgg 660
gatttgggat gcttaacctt caatagtgag tttatgtaac ttaaaatgta ctaaatccaa 720
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tggnn 785

<210> 1860

<211> 720

<212> DNA

<213> Homo sapiens

<400> 1860

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aggagaacat gtacgccgtg canacgtga aggactttca gtacgtggac cgcgacggca 660
aggaccaagg cgtgaacgtg cgtgaaaaaa ctaacaact ggtgggcctt gntgcgcnaa 720

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<210> 1861

<211> 749

<212> DNA

<213> Homo sapiens

<400> 1861

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gatatttaca aagatttgta aagaagacca ggaaataaca atgttaatag tacttctaac 60
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gttaggtaca tacagtcaaa aagatggacc ttaccaccgc tgaagctaga ttggggatgt 180
gtctgatgtg catgtctaca ctgcacctgc aaatttgta ctcctgaatt aaacatgctt 240
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cagacgggaa gaggtagaga gtggctggaa aggccctgct cttccctttg ctggggacat 480
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cactttgttc ttgtttttgg tcttttcaaa taccttccac agtgaataat gtgtataaat 600
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 ggcgccatgg ctcatgccta taatcccagc agatgggttt aggccgangc aggaggatca 720
 cttgagccca ggagttcnan accagtcca 749

<210> 1862

<211> 750

<212> DNA

<213> Homo sapiens

<400> 1862

cagnaactct atagagaaat aaagggtttt cccaatcctg gaaaaaaatg gttaaaattg 60
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 cctacaatcc cagcactttg ggaggctgag gcaggcaaat cgtttgaggc caggagttca 180
 aaaccagcct ggccaacatg gcaaaactca tctctactaa aaatacaaag aaaatagcca 240
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 ctgaaactaa agagaaagta tctcttctta tcatggtacc aagcttgagg gtgcataagt 540
 cacctataga cgtaataagc attgagtttc attttttgtt tgtttttgag acaggttctc 600
 actgttacct agcctggagt gcagtgttac aattgtagct cactgcagcc tggacctnct 660
 gggatcaagg gattccccca acctcggcct nccaagtagc tgggactata gaaatgcaac 720
 accatgcccc gataatttaa tttttttttn 750

<210> 1863

<211> 886

<212> DNA

<213> Homo sapiens

<400> 1863

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 cttaacatag tgcctccaca taagatgtca caagctgcta actactatit ttgttatgca 180
 ttgtctgaag ataagtcaca aagttggttc ttagctttca ggtaactaat agtgaaggga 240
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 ctgcttagga gaacacagct gattttaaca tgttctgagg agcacaattt ttcttgctgg 660
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 aaataattta taaaagtggc cttgggggtc cagattgatg nggtctaatt atgaacctct 780
 gtgatcggac ttaattcaaa gatagatttt gaggggctag angaatggat tgaactttag 840
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<210> 1864

<211> 747

<212> DNA

<213> Homo sapiens

<400> 1864

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 ttctgtagct ttgacagcaa ggacatcact acaatgggta cagaaataac acattctgat 180
 ccttgctgag atccttgtat gggcctatct taaatctagc ctattgtctg tcttaccctt 240
 tgatttttat aagtagaaaa caggaaaagg ctaaccaagc aagaggaagg catagattca 300

tcttcctttc aatcttgact atagttttaa gagaatacca tgatctttct gttctattct 360
 tggcttactt gaatatttag ccaggctctt gcattcttatt cagtcagaaa acagacacag 420
 attcagataa ctcaaaggat gttacttgct tgagtaatcc ttgggcctcg ctttaacttt 480
 gtagatccag gaacagaatt aagcagacag ttcgggtctac actgccaaat ttcttaggga 540
 aaaagagggc aagtcagaag gaggaagttg gcatttggct caaatgacca aattatttaa 600
 gggctctaca cttcactttg caccaagtag acccaagaat gattataatt canctacgtg 660
 tgggtggtgca natcagtagt cctagctatt caggaagctg aagccggtgg aatgggttga 720
 acccangaat ttttaggctt gcaatga 747

<210> 1865

<211> 887

<212> DNA

<213> Homo sapiens

<400> 1865

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 acttttcaaa gaaaaaacac ccacacacat ctcagtagaa aatatgggtga actgaagatg 240
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 catggccaga ttaaataagg ggtgggttat tttcttaaat acgttttgtc aatttcacgt 720
 gaaaaatgaa aacccttagt catgtttacat attacatttc tggttaagatg tatggtcctc 780
 tggttctaata aaaaanttgt ggtggnttgg gaagtgaaaa atgaatgtga accccaggcc 840

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887

<210> 1866

<211> 711

<212> DNA

<213> Homo sapiens

<400> 1866

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gaatcctcag ctgtggaacc tacagataca gaaccacaga tttggagggc cacattgtat 120

atgtactatt ttgtgactta ttttgaatat ttctgcatca ttaagtattc attatttttt 180

ctagactata acttgctttg tctactgtgt aaatatgcca tgattttatt gtagntaatt 240

ttttacagtt aataacacta ggatgaactg ttagcctatt agccaatctt tgactatctc 300

tggcttgaaa cagcatatca cttatatattg tttggagtag atagagcaaa aagtaaagaa 360

atgattatta ttaaataagga cataatccat ttatcagcag atggttacag tagttcanac 420

tcttttactt ctgaccaga acagatcggg agcaatgtaa ctcgtcaaag gtcagtattt 480

ctgtcaatga aaagcatgtt aaactatctt gctgcgtttt aatgtttaaa actatttaga 540

accaagcaca aatgattttg ntctctgaaa gctgttaggt tactttttga tttatgtaaa 600

agacaagtaa ttttgatcct ttccaacttg aatagaaaaa canaaagaac cctgactttc 660

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<210> 1867

<211> 868

<212> DNA

<213> Homo sapiens

<400> 1867

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tttctcaggg aaaagggaaa aagatgtacc aaaggaaata accaaagtat agaaaagaat 180
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 tgggtttttt ttaatggta ntgtcctact ttttcgaaat cctgtttctt ctattaatat 840
 agncctatct gacaaaagtc cgcnaata 868

<210> 1868

<211> 875

<212> DNA

<213> Homo sapiens

<400> 1868

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 gaattggaag aagattaaaa tttatccata tctcagaatt attggcacct attgacctga 480
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<210> 1869

<211> 827

<212> DNA

<213> Homo sapiens

<400> 1869

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 tgatatatat ttctggtcat attttgaggc ccagtgtcta ntccctgatg gacttttatt 780
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<210> 1870

<211> 871

<212> DNA

<213> Homo sapiens

<400> 1870

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aaaaggggag aaaaggcaaa acttcatgaa ctagtatttt aaatgtggaa taaaatgata 180
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ctgagtcatt tgctatatct gnatatattg gtttaagggg tgcattcttg ggtattttct 780
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<210> 1871

<211> 763

<212> DNA

<213> Homo sapiens

<400> 1871

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ccttactgtt ccccttgctg tgtagaaaca gatgcagtca gacccacata agctggactt 180
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<210> 1872

<211> 795

<212> DNA

<213> Homo sapiens

<400> 1872

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<210> 1873

<211> 784

<212> DNA

<213> Homo sapiens

<400> 1873

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 tttcaagagt ctgagttgaa tattatgttc tcatttgttt ctcattctag aacaataaaa 180
 gaaaaagaag caagtccaag cagcatcaag gcaacaaaga tgctaaagac aaggtggaga 240
 ggccctgaggc agggccctg cagccgcagc caccacagat tcaaacggc cccatgaatg 300
 gctgcgagaa ggacagctcg tccacagatt ctgctaacga aaaaccagcc cttatccctc 360
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 cttgctgtgc aaggctagag tgcattggtt ggcatagct cactgcactg cagtcttgaa 720
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 cccc 784

<210> 1874

<211> 865

<212> DNA

<213> Homo sapiens

<400> 1874

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<210> 1875

<211> 787

<212> DNA

<213> Homo sapiens

<400> 1875

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tctgttgctg gctctgtgga gagagtaaac aagttgatct gtgtgaaagc tttgaagacc	240
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 gaagcagggg gcttcattgc aaacctggag cctgtctctc ttgctgatcg agangtgata 720
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 ctgtctg 787

<210> 1876

<211> 870

<212> DNA

<213> Homo sapiens

<400> 1876

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 ttttatatgc atttatatcg ctccangcat ctatttccac ttggtctatt aagtcatggn 780

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<210> 1877

<211> 871

<212> DNA

<213> Homo sapiens

<400> 1877

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<210> 1878

<211> 762

<212> DNA

<213> Homo sapiens

<400> 1878

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tctgagatga gcatggacgc atnccccgag ttgagcatag aagcactccc gaangtggac 720
ctggaaacag ttcccaaggt gagcatagta ncattccccg ga 762

<210> 1879

<211> 702

<212> DNA

<213> Homo sapiens

<400> 1879

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 gcatgacca tcgtgtccag cctaaatggc attcttggaa gtaaaaccac aggggatctg 660
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<210> 1880

<211> 819

<212> DNA

<213> Homo sapiens

<400> 1880

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 ttgccattcc ctatctgatg aattctgaac ctacgttttt catccaagaa ctggagttaa 180
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 aatttctctc tatttttatg gtcactaat cagtgcagct aataagtcaa tcagctcatg 720
 taatcccagt naccaaacag caggattgtg gacacacaca ggtgggagcc ctgaaatgcc 780
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<210> 1881

<211> 768

<212> DNA

<213> Homo sapiens

<400> 1881

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ggattatagg catgagctac tgcactcagc ccaccatttg ttttaaaaag ggtggatcct 180
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catttaaaaa ctagttaaaa cagaaatggn tgccctggaa tgtggcctgg gntctttcaa 720
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<210> 1882

<211> 685

<212> DNA

<213> Homo sapiens

<400> 1882

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 aaaatcaggg tgcagtctgc agttttgagt tgacagggtcc ctgtgaatga ngaacancnc 660
 aaggagggct ctacgagcgc tgcta 685

<210> 1883

<211> 832

<212> DNA

<213> Homo sapiens

<400> 1883

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<210> 1884

<211> 819

<212> DNA

<213> Homo sapiens

<400> 1884

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<210> 1885

<211> 685

<212> DNA

<213> Homo sapiens

<400> 1885

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cttccctggt tcaagcgatt gtcctgcctc agcctcccga gtagctggga ttacaggagt 180
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<210> 1886

<211> 645

<212> DNA

<213> Homo sapiens

<400> 1886

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<210> 1887

<211> 685

<212> DNA

<213> Homo sapiens

<400> 1887

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<210> 1888

<211> 609

<212> DNA

<213> Homo sapiens

<400> 1888

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gcaccgggtt tcataacaga ctcggcggcc tcgagtgtg ggaagaaacg tgcgagggcc 180
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 cttttttcat tgttctagag tcttgagggtg tgtgtgggga ggatggagga aganggaagg 600
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<210> 1889

<211> 853

<212> DNA

<213> Homo sapiens

<400> 1889

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<210> 1890

<211> 761

<212> DNA

<213> Homo sapiens

<400> 1890

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gagcgcattg tcaacagcaa tggggagctg taccatgagc actgcttcgt gtgtgccag 180
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tgctgcctg ccatgacaag atgggcgtcc ccatctgcgg ggcctgncgc cggccatcga 660
gggccgagtg gtcaacgcgc tgggcaacag tgcacgtgaa cactttgntg tgcaagtgtg 720
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<210> 1891

<211> 742

<212> DNA

<213> Homo sapiens

<400> 1891

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aatgaaaaaa caaaaagtag gaaccaaaca taaaaggtct agtaaagcca aaaattaatt 120

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tcatattgat tttaaagtga tctagctgag tttttacact gaaagcaaag attatagcaa 180
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 tgaagtcagc aaatagagtt agagagatac ccagtcactt atcacaccaa ataaaaggac 660
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<210> 1892

<211> 882

<212> DNA

<213> Homo sapiens

<400> 1892

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 aaccaagcct ttctctttcc tccctttctt ttaatatata acatctgcat ctagaaaaat 480
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<210> 1893

<211> 840

<212> DNA

<213> Homo sapiens

<400> 1893

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 tgaacacctg ccggaagatg actgtctggg gagaagtttt gggaaaaccg gnctaatttg 780
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<210> 1894

<211> 786

<212> DNA

<213> Homo sapiens

<400> 1894

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gggcgtcccc gggtcggcct ggtcagggga ccattgggat agccagggac aggaagccta 360
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gccctgccc ccctttgctc acccgactc cacgctctgc ggagaggctc tgccggcagc 480
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gggccgctca agttcattca taagaacaag agctcttgct cttaaaggaa cccgcgttcc 720
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<210> 1895

<211> 888

<212> DNA

<213> Homo sapiens

<400> 1895

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cctaagaggt aagggcacac acccgaggtc acgttgctat gtattgtgta atttgggaac 180
caacagcaag acatttcctt tttccctcaa acacattctt ttggtctaag cttgaaagcc 240
gcttcttccc aaagccttta gaattcctgg accacatgaa ttgctctgtc tataggcttt 300

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cctagcatcc tctctttccc ctttgatagc attttatccc tggtttaagg ggttggttaa 360
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 tcactcttgc cccttgtgtg gcatgtgctt agtataccta aatgggtgact gaatggatga 480
 gtaatagcac acaagatcgg cagcaatgct ccagtgttta aagcaatcaa ggtattggaa 540
 catatcttct aattgtaatt ctttggtttt tgcagtgttc aacatttgct gttgtaataa 600
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 agcagcaatc tcaggaactt aacttancgt catcagatgg nagttttgga atgaccattt 840
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<210> 1896

<211> 852

<212> DNA

<213> Homo sapiens

<400> 1896

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 tcactgtctg cgtcctcttc ctgctcttca ttctaggtta catcgtggtg gggattgtgg 180
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ccctgggggt ggctctggtc ttgacctact ggttatcttg cttctgcgcc tgggtggctgg 780
gcccctggtg ctggtgctga tcctggagtg ctggcctnct ggcatacngg atctactact 840
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<210> 1897

<211> 917

<212> DNA

<213> Homo sapiens

<400> 1897

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tagagcgaat ggtgcaagtg tgacttaagt tatgctaagt ngcattcatc ctataatcca 840
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<210> 1898

<211> 838

<212> DNA

<213> Homo sapiens

<400> 1898

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atgctgacaa catcctcagg tgcagggcaa cggggtcgga cggcgggtac cgggggtgggt 180
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tatattgaag ttacagtttt tatattaata cctggattct actatgtaac ataacccttt 780
aagaattcgt ggangaatc gccttggatg anagtaattt ccttnattct tcttgta 838
    
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<210> 1899

<211> 915

<212> DNA

<213> Homo sapiens

<400> 1899

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aagcacaacc cgctttcact cttcgaattt gtgcttagct cttttcttgt acctgcgac 180
tcgtgaccaa catgctgtga tgtgtgccga gggaggaatt ggtaagagt agacggcgaa 240
    
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 aaatagtttt caaaggagtg ctacaaaaaa acccccatgc tttccccaaa acactaactt 840
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<210> 1900

<211> 754

<212> DNA

<213> Homo sapiens

<400> 1900

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ctgaaacaaa actaactttg tcaggccggt gcagtggctc acacccgtaa tcccagcact 660
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<210> 1901

<211> 830

<212> DNA

<213> Homo sapiens

<400> 1901

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<210> 1902

<211> 740

<212> DNA

<213> Homo sapiens

<400> 1902

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<210> 1903

<211> 913

<212> DNA

<213> Homo sapiens

<400> 1903

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<210> 1904

<211> 762

<212> DNA

<213> Homo sapiens

<400> 1904

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<210> 1905

<211> 662

<212> DNA

<213> Homo sapiens

<400> 1905

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atctcagact tgaacacaca gcatatttgg aagagaaaac atgcctttct ttgntgaatc 600
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<210> 1906

<211> 874

<212> DNA

<213> Homo sapiens

<400> 1906

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cctttagttt tgaaacattc ttcaacattt caggttcatg atgaaaaatg gctgactgga 240
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<210> 1907

<211> 806

<212> DNA

<213> Homo sapiens

<400> 1907

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 aatacagaaa tattttaaaa ttagcaaatt ttagaaacag agattatgca tgtcacttga 240
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<210> 1908

<211> 752

<212> DNA

<213> Homo sapiens

<400> 1908

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 aaagggtgtc ttttttaaag tgttcagaac cctgtggaag tttcgtgcag tcttcagact 540
 caaatcttcg tcttcacccc cggggcaagc tcagtacta ttatatggtg ggtgtgtttc 600
 cttaccagcg tgagtatgag tgcccagact tncccagcag agaagggcct gaatccgggg 660
 ctgatgtgcc aggaaagtta cncttgcagc gggactgatg aagctatctt tgatgtgatg 720
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<210> 1909

<211> 760

<212> DNA

<213> Homo sapiens

<400> 1909

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tacaaatgag	cagctgaaaa	ggcacacaag	cttaagtggc	agaagacaca	cacttgattt	480
tccttgctat	ggagggccct	ttagaacatt	ccctacaaag	ttattttaga	atgtgaagag	540
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gattgcttga	gcccaggagt	ttgagactag	cctgggcaac	atagtgaagc	cctgggtctct	660
acaaaaaata	gaaaaaaaat	tagccgggtt	tggtggcatg	cgcctagacc	cagctactgg	720
gangctaagg	tggganggat	ggctttgagc	ctgggangca			760

<210> 1910

<211> 702

<212> DNA

<213> Homo sapiens

<400> 1910

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ggctgtcctg	tgtatagcaa	caaagatggc	ctccactcac	tagatgccag	tagtagtacc	360
cttatcccc	accacctagt	tgcgacctag	ttgccacacc	aaaatgccac	cagtcattgc	420

caattttttt ttgtccccta cctctggggg acaaaaatct cacagttgag aatcactgct 480
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 taataattag gaaaagtcag ttgnttaatg cgattattag gggaagtagc cagatcttag 660
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<210> 1911

<211> 737

<212> DNA

<213> Homo sapiens

<400> 1911

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 ggccatttca acccatcca ctccacgaat actcagctca gtcttagcat tggacatcag 180
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 agctaacttg ccttcgngc cattccacgc caccaggaag cgcaccggtg cctntcggga 660
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 catggnccgc cggnagc 737

<210> 1912

<211> 797

<212> DNA

<213> Homo sapiens

<400> 1912

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 ctccagcctg ggcaacagag caagattccg tctcataaaa caaaaaaaaaa ttatgagatt 180
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 caccacagca taaagccttc ctccattct gcagtggcgt gggatcaggg aacagaaact 300
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 tttgctggaa cggctgcatg cacacagcac tgggcacaa cagctctgca gtgcccata 720
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<210> 1913

<211> 822

<212> DNA

<213> Homo sapiens

<400> 1913

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 attcgaggat tttgatattc aggggggttc tggaacaaat ctggatactg agggatggct 180
 ctacagcctt tcagaattaa attttctatg attttaatgg ttctttcaaa gaccatgaca 240
 gtaatcactg acgcctgttg cttacaaat ctgctgttac aagtaacatt tccatgatta 300

tatgtacaag taaaaaatac ccactataca aataacaaat ccaagatcag tgaaattgag 360
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 caggctctga aagttccttt tagtttagcat ttgctatatt gacagctggg ttgacaagta 660
 catatttttag cataagaaaa aaacagcagg ccgggtgcag tggcccttgc ttgtaatccc 720
 agcactttgg gangccaagg angcagattg cttgagctca ggagatcaag ggcagcctgg 780
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<210> 1914

<211> 745

<212> DNA

<213> Homo sapiens

<400> 1914

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 tcacagtatg taatttgggt gtacaaaatg cctgtagttg aaagtgcctt actcctctgc 180
 agtggcaagc tgagcttcct gttggctgat tccttatgtt tgcagtaaagc aggctgggtg 240
 cagttagaaa gaaagcatcc atctagtaag tgcattcaca tcatccttca aatgccatag 300
 gccttagctc caggacattt tctgcctgtc tccttcctc cctcctttct ttttttctc 360
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 aagcttggaa ataaatagga gagcttacgc ttttaactac tagcctgcga ttcgtataat 660
 catgttagnt tgagaaacac ttcagtaatc acacatgtaa nggcttttga gtaagatgga 720
 ccttgggtat ncaacgctta ctggg 745

<210> 1915

<211> 809

<212> DNA

<213> Homo sapiens

<400> 1915

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ccagcattgt gttagtccg ggaggccact gtgtcagcaa gctgagaggg aaactgaagc 180
aagatgtcgg gccggagtgg gaagaagaaa atgtccaatc tgtcccgttc agctagggca 240
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tccaaaccaaa aggacagcga ttaagaagga acttcaaatt ccacctctga agatggccan 720
gggatggatt caccattctg tcttctaaaa ccttgntctg ggacagaact gtentaacct 780
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<210> 1916

<211> 833

<212> DNA

<213> Homo sapiens

<400> 1916

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aagtgggtct gtgcacagnc ctcagccaga aggcgaccaa tcacaacctt catatcacag 780
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<210> 1917

<211> 861

<212> DNA

<213> Homo sapiens

<400> 1917

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tggtttttcc aaaaggaatc caatttactt ttgctgtgag ctattttgac aaatagtgag 420
aactctgaaa gttaatagtt tgtatcttct ttaggggtat cgctggagaa tttccccctc 480
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 aatggagcca atgcaaatag attacttcaa cagtctgagc tgctggaaca ttinctgcttn 780
 catcataaat gcttaatcat gctcaaaaact ggctttttan gcaagaactg agcccactaa 840
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<210> 1918

<211> 860

<212> DNA

<213> Homo sapiens

<400> 1918

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<210> 1919

<211> 758

<212> DNA

<213> Homo sapiens

<400> 1919

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<210> 1920

<211> 865

<212> DNA

<213> Homo sapiens

<400> 1920

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gacctccac ctcagcctcc caaaatgcc a gaattaacag atgtgagcta ccgatacctag 240
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 gccaccaaga ctctcaagcc aaaagactga aaattatcct agtttacact ttcctcacc 480
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<210> 1921

<211> 772

<212> DNA

<213> Homo sapiens

<400> 1921

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 ggttcacacg gcagctgcag cgagtccacc ccaacgtgct tgctaaggca ctgacccgag 300
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gagtcgtgga catccccatt gtggagaagg aggcgcaagg ccagcagcaa caccacaaga 660
 tgacattgtc cccgagctac cgnatggacg atgggaaaat ggtgaaagtg cggcgcaacc 720
 cggaatgcgc aagtttgctg taacttagta ccaggtgctt aacancactn tt 772

<210> 1922

<211> 800

<212> DNA

<213> Homo sapiens

<400> 1922

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 actacggttt ctggttggtg tcccaagtgg gaatatgggc tgttcacgac ctcggaatgt 180
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 tctttgatag tttttggcag tgtgtgctgg ttttaatctt tgtacttgct ccataagtga 300
 ccccatgact agagagtggg ctcttccatc ttgtaagagc cttctgttca cgttctgttc 360
 tttttatgag aaggaagttc cagtgcatac cccaacataa agagaaacgt tgaatacgta 420
 ctgtttttct cttatatata tgctcaaaat aacgactgta gtaaacagtc gtcattgatta 480
 taggatgaat tacgcagcca ttcataagatt tttgtagttg tcattttaca gtggactatg 540
 caatagtcca taggcctatg aatacataat ctaacaatat tagctgggtg cagtggctca 600
 cacctgaaat cccagcactt ancgaggcca aggtagcttg attgctagag cccaggagtt 660
 caagactagc ccgggcaaag ggcaaaaccc catctctaca aaaactacaa aaagaaatta 720
 gccgggcatg gtggtgcttn ccgggagtc cagctacttg ggangcaaan gtgggaaggc 780
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<210> 1923

<211> 814

<212> DNA

<213> Homo sapiens

<400> 1923

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atcccagcac	tttgggaggc	agaggcgggc	ggatcacgag	gtcaggagat	taagaccatc	180
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ggtgggcgcc	tgtggtccca	gctactcgga	aggctgaggc	aggagaatgg	cgtcaacctg	300
ggaggcggag	gttgacgtga	gccgagatcg	cgccactgca	ctccagcctg	ggtgacaggg	360
cgagactctg	tctcaaagaa	aaaagaggaa	aaaaagaaaa	aagactttct	tattaagaga	420
gcattataca	ggccaggcgc	ggtggctcat	gcctgtaatc	tcagcacttt	gggaggccga	480
ggcaggtgga	tcacgaggtc	aggagatcga	gaccatcctg	gctaacatgg	tgaaatcccc	540
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actcgggcgg	ctgangcagg	agaatggagt	gagcctggga	ggcggancct	gcaacgggct	660
gagatctcac	cactgnactt	caacctgggc	aacagagcga	gacttcgtct	caaagagaga	720
gagagacagc	attatncaga	gaacaaattg	ggtagacttt	tttagaatga	tagantgcag	780
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<210> 1924

<211> 688

<212> DNA

<213> Homo sapiens

<400> 1924

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cagtacaaaa	accacactaa	ataagttitg	atttcctggg	cttccttggt	ttatgttgaa	180
attggtggtg	aggctcagta	atagtttctt	aaatgttaag	gctagaagtt	gtacaccacc	240
tagtggctgt	gtacattaaa	acaggaagca	gaaaccggcc	aggaagaggg	agccggatct	300
ggatgtgtct	attggagtga	ctgcagcact	ccatatagaa	cctgggcatt	gctctcttta	360

tttttaattg aagtaaaatt tgngatagca ttttacaat tgaaaatagc tgtgtcattt 420
 aaaaaattcc cattaaattt gtccccagta cccctcatgt ticcagtgat ttccttctac 480
 tctgtcagtg tgcggttaag ccgtatagac tcattttaat actaatgtca gccaaataaa 540
 attaataagt taaacttatt tcccttatca ttatatacat cctaaagcca atgtatttta 600
 aaattgcttg tccattgcct gctctccttt gataaaaatt gtagnntcac ttagcatatg 660
 gtnattgatt atagtcncaa aatagacc 688

<210> 1925

<211> 674

<212> DNA

<213> Homo sapiens

<400> 1925

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 agctcgtcac cagggccctc cagctggtgc agtttgactg tagccctgag ctgttcaaga 180
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 cgttctttta tatgctggat gagctgctga agcccaccga attagtccca cagaacaacg 480
 ggaagcttca ggagagcccc tgcattcttcg cattgacgcc aagacagggtg gagttgatcc 540
 ggaactccag ggaactgcag cccggagtta aagccgtgca ggctcgtcctg agaatctgtt 600
 actcagacac cagctgccct nangaggacc agtaccgggc caacatcgct tgtgaaggtc 660
 aaccacagnt actg 674

<210> 1926

<211> 625

<212> DNA

<213> Homo sapiens

<400> 1926

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agactcctac ggatgccagt ggagacgttg tgggcctggg tctgctgcc actccccagt 180
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tttaatatga ttgtagctgc tgctttgata aatcaaaata attaaaaata ataaatttga 540
ttcctcaacc aacaggctgt gtgtgggcgc agggcctggg ctgccnagtc agggccgang 600
aggtgggagt gggcacggng acaca 625

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<210> 1927

<211> 859

<212> DNA

<213> Homo sapiens

<400> 1927

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catgagctta aaggaaaagt gtaaaaattc taatcagaaa agaagctttt attctcccta 60
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acatgctaga tctgggctag gagacttgga ttctaggcct ggctctacct tgaacttgct 180
ctgagacctt gggcaagtca ctatacatct ctgggcctct aatttttcat gtgtagaaat 240
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atttcacacg catcatctca ttactcaac aaagattaat ggatgtctac agtgtgatac 360
agcctgtctt caagcagcaa tcaattttaga agggaagaca gccctaggat ctaaaagcat 420
gaagtctggg atgtgcagag ggaggttaga agcccagccc agaagagggg attccagcat 480

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tagagtccta tgattataag ttttgaacag attgttttat tttaaaaatg cccttgaaaa 540
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 ctttctggaa tatgctgtat ttcccaaata tgcattaccc cacattccaa taattgctgg 660
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 cactgggcta gactgccccaa aagaccacaa cttccatact attagagaga aagacctcta 780
 gttccttttc cctttggtgg atctgggtccc tttcttatat atcgagacta ttatgaaccc 840
 gtaaccacaa tttcttnca 859

<210> 1928

<211> 756

<212> DNA

<213> Homo sapiens

<400> 1928

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 gactcctccc ttatggctgg gatcatttac tatagccagg aaaagtactt ccaccatgtg 180
 cagcaggctg cagctgtggg cctggaaaaa ttcagcaatg accctgtgtt gaagttcttt 240
 aaagcctatg gagtcctcaa agaaggcaat gtacttcatg atgcagcaga actactcaga 300
 ggccctggag gtggtgaacc agatcactgt gacttcaggg agcttcctgc cagccctcgt 360
 cctgaagatg cagctgttct tagctcggca ggactgggag cagacagtag aatgggaca 420
 cagaatccta gaaaaagatg agagcaatat tgatgcctgc caaattctaa ccgtgcatga 480
 gcttgcaaga gaaggaaaca tgaccacagt aagttctttg aagactcaga aggtgatcct 540
 tgaaacagaa tcaaggagga acccttcatg acctgtgcac ctgacccaaa gcccttgtag 600
 ggagctcctg gatctcagct tctcttttct accccacccc tatactcgct gccaaggagg 660
 cctgctctgg tttgactctt tgagttgtgt ancttgggag tcanganca ttaggcagtg 720
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<210> 1929

<211> 718

<212> DNA

<213> Homo sapiens

<400> 1929

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cctttgaaac ctcgtcatta attggacaca gtgccagant gtatgcactt tactacaaag 660
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<210> 1930

<211> 795

<212> DNA

<213> Homo sapiens

<400> 1930

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cgaaggcgtc cttacagctg atatttttcc agctgcctat ctccccagag cgtggagcgg 180
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actttgtgtg accttgccac ttcactcttt cacagcctcg tttcctttat ctgtcaaagt 360
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 ctgggaaatg caacagaggc cttctcctcc ttgaccagtg gggaaacaga ggctcttaaa 480
 actggcatag atccagcttc ctgccccctag tctctgtctt tcccattcca tcaggaccag 540
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 ggtaggggtg acctcaggac ccgnactgtc tgcccatgac caaggagtga gactgcttgg 720
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<210> 1931

<211> 707

<212> DNA

<213> Homo sapiens

<400> 1931

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 ccatttctct tctgcagcat tggcaatcac cattctcctt cctctctctg tttttgactg 180
 ttctgcctca taaaagtacc tcatgtgaat ggaatcatac agtatttgtc tttttgtgcc 240
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 aatttctatc ctttttaagg ctaaagtacc cattgtatgt acgtatcact gtttatctat 360
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 caatggctca tgcctgtaat cccagcactt tggaagggtg aggtgggcag atctcttgag 480
 gtcaggagtt cgagaccagc ctggccaaca tggcaaatcc catttctact aaaaatacaa 540
 aaattagccg ggcgtggtgg caggcgccta taatcccagc ttcttgggag gctgtggcag 600
 gaaaatcact tgaaccccgaggagggtg tgagtgagc caagactgtg gccactggac 660
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<210> 1932

<211> 865

<212> DNA

<213> Homo sapiens

<400> 1932

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cgtccgnggc actgcnggaa cattg 865
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<210> 1933

<211> 802

<212> DNA

<213> Homo sapiens

<400> 1933

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gaaaaaagtc gtggggactg agttcaggac accctgaaac tatgcgacca gtaatttttt 60
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